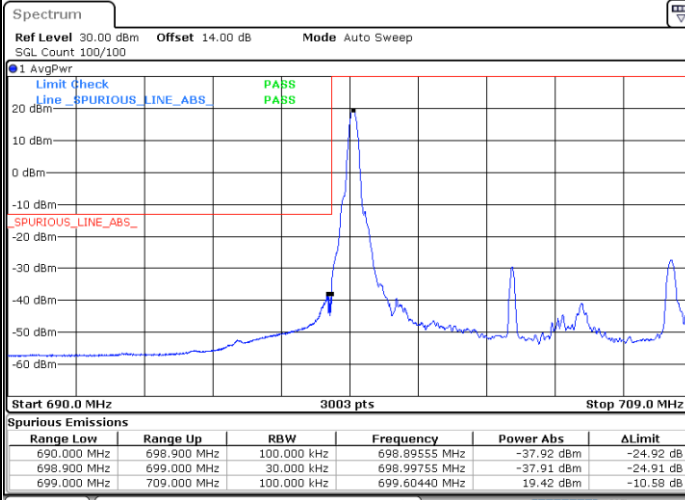




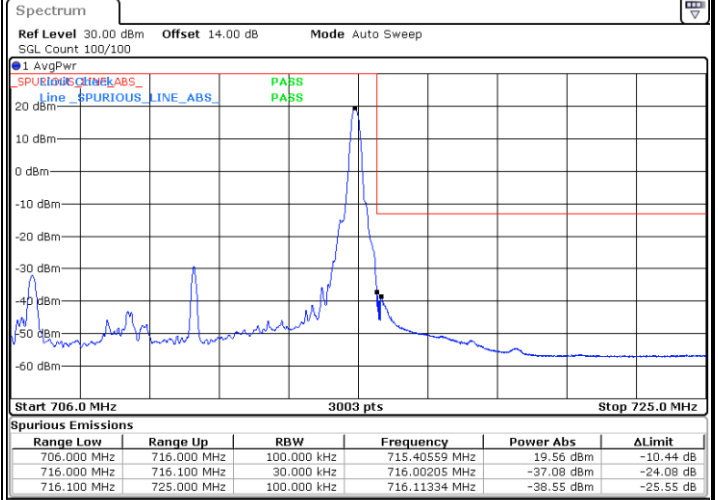
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



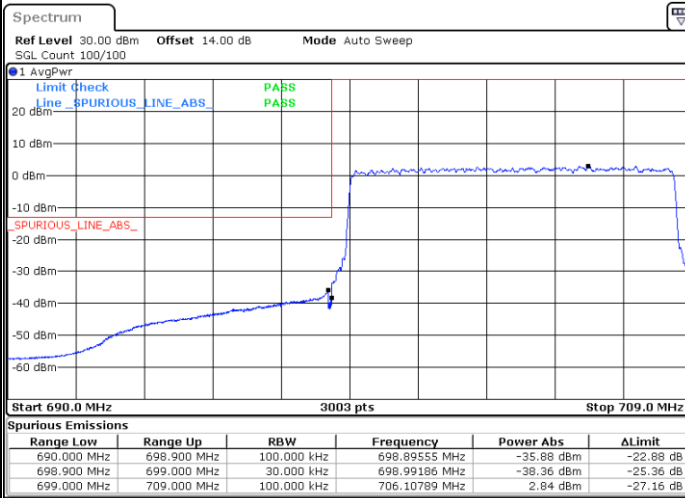
Date: 6.NOV.2023 09:42:08

Highest Band Edge / 1 RB



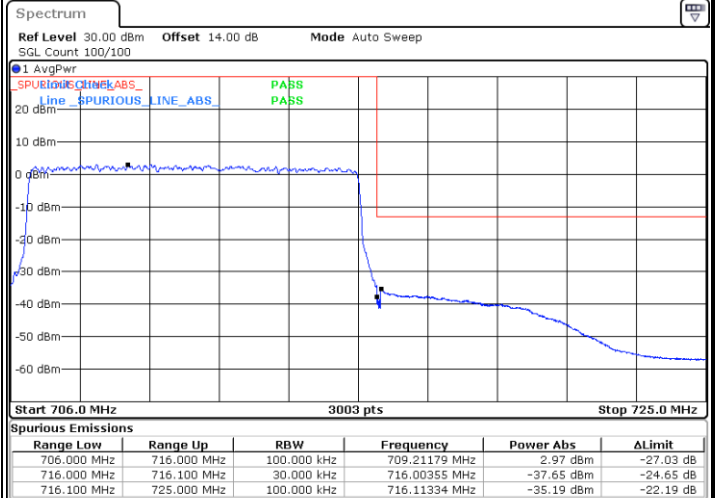
Date: 6.NOV.2023 09:46:59

Lowest Band Edge / Full RB



Date: 6.NOV.2023 09:43:17

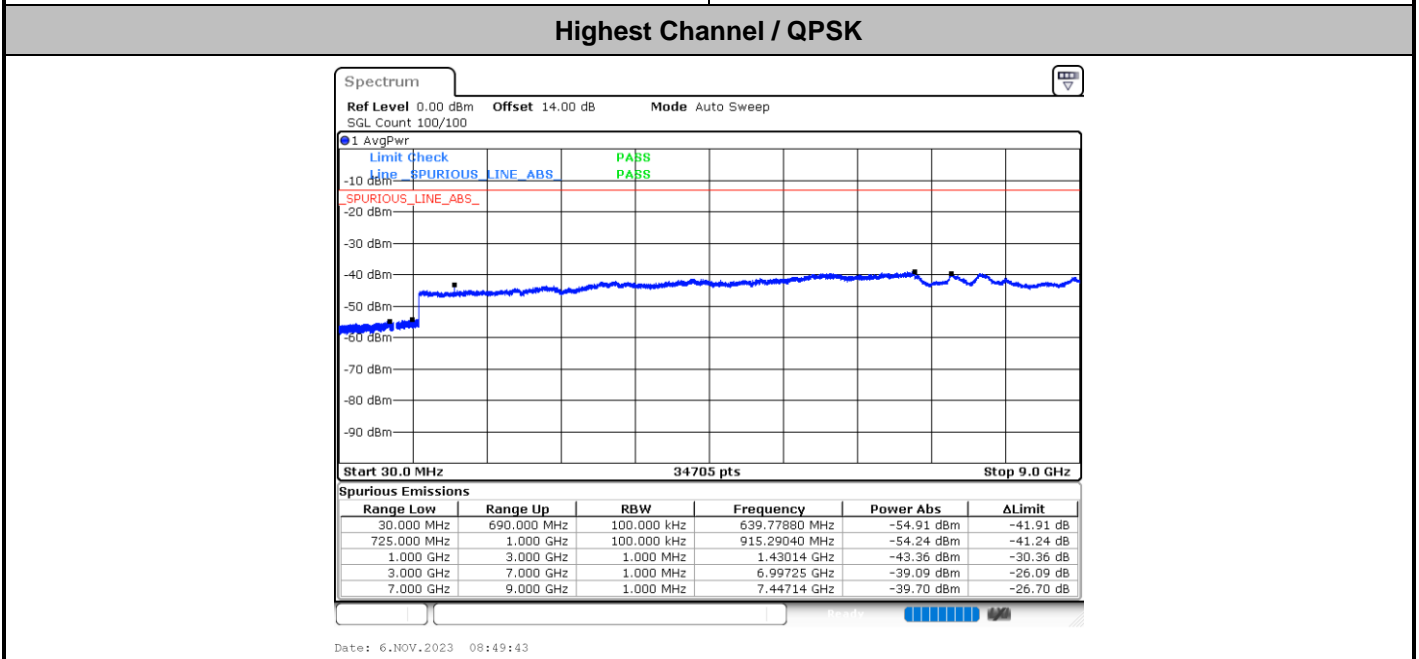
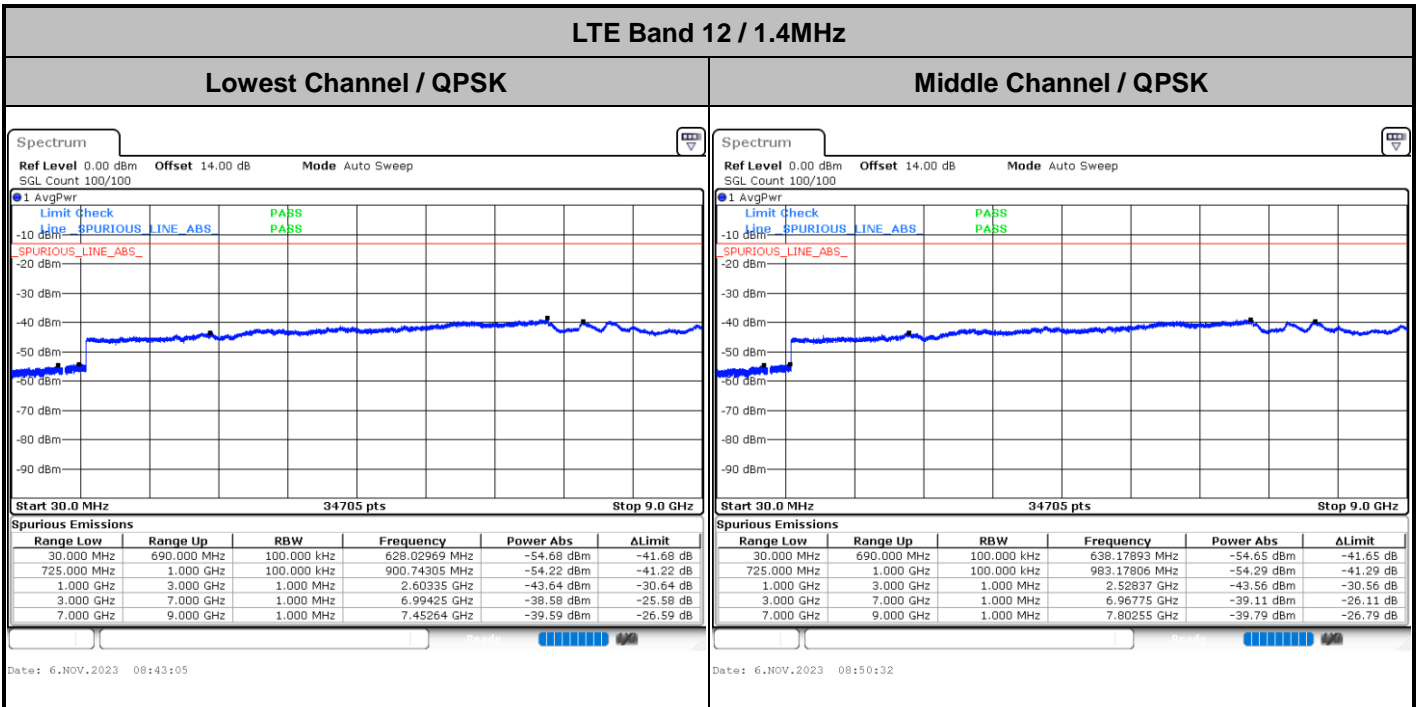
Highest Band Edge / Full RB



Date: 6.NOV.2023 09:45:57



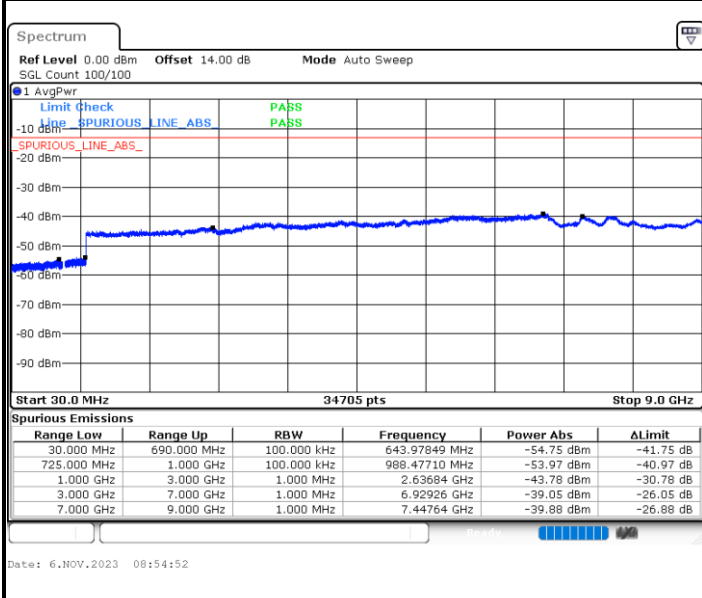
Conducted Spurious Emission



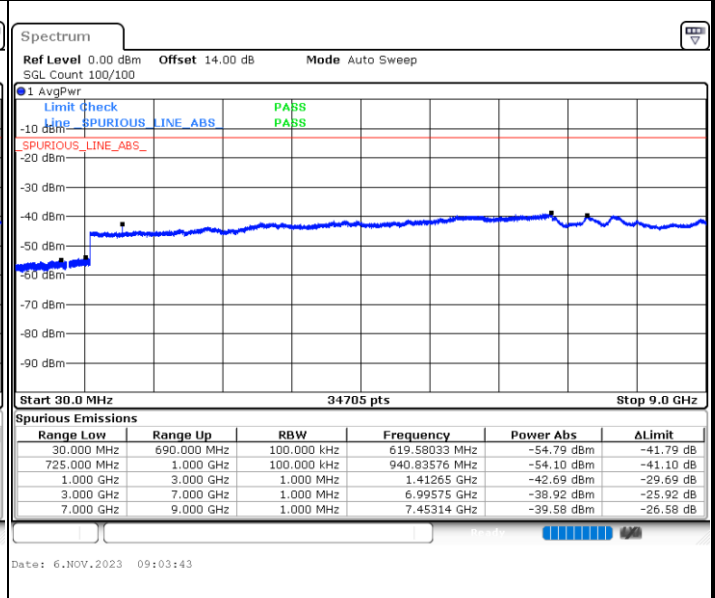


LTE Band 12 / 3MHz

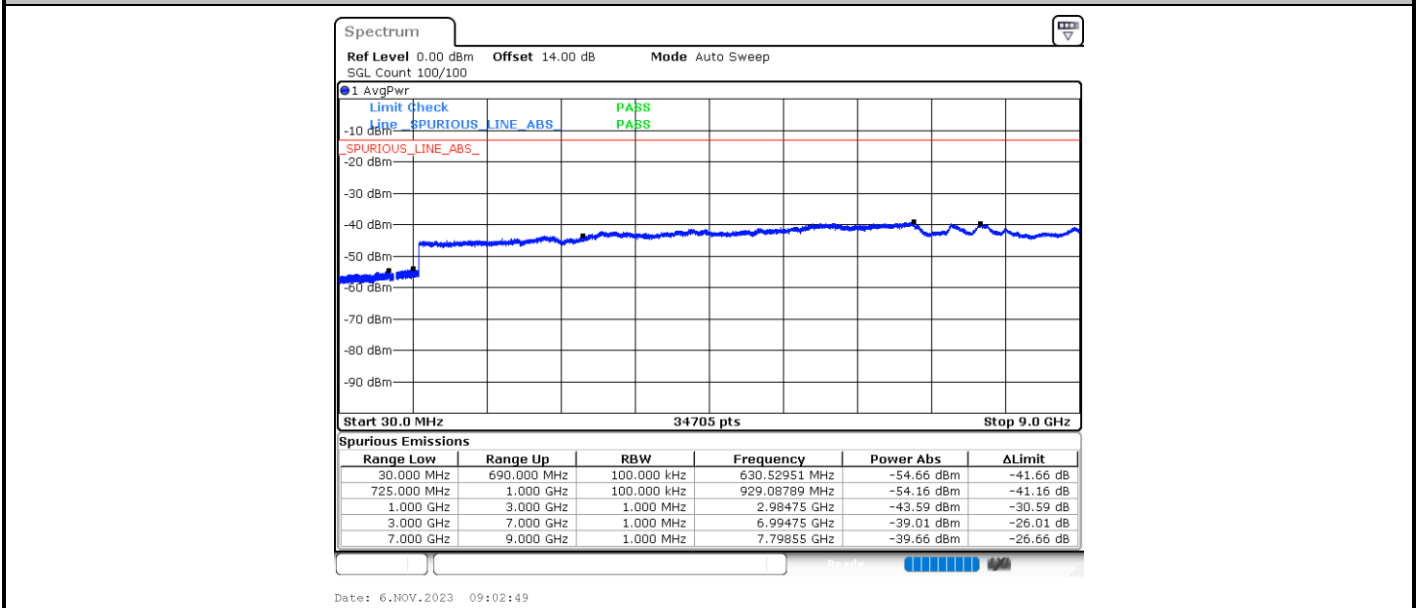
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

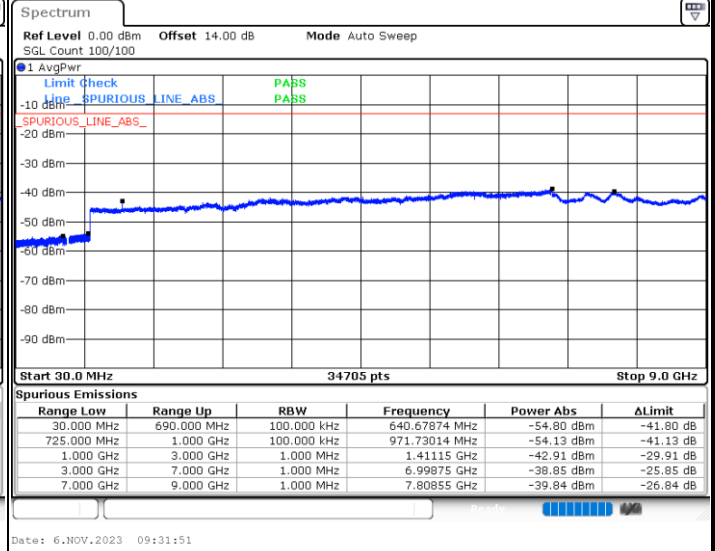
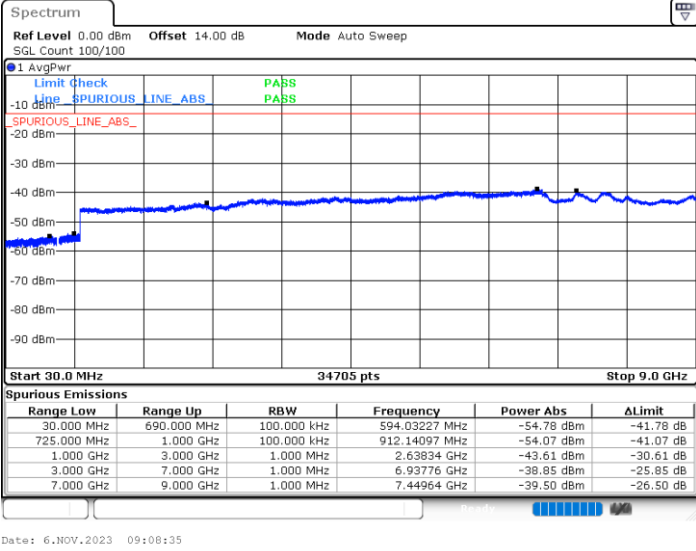




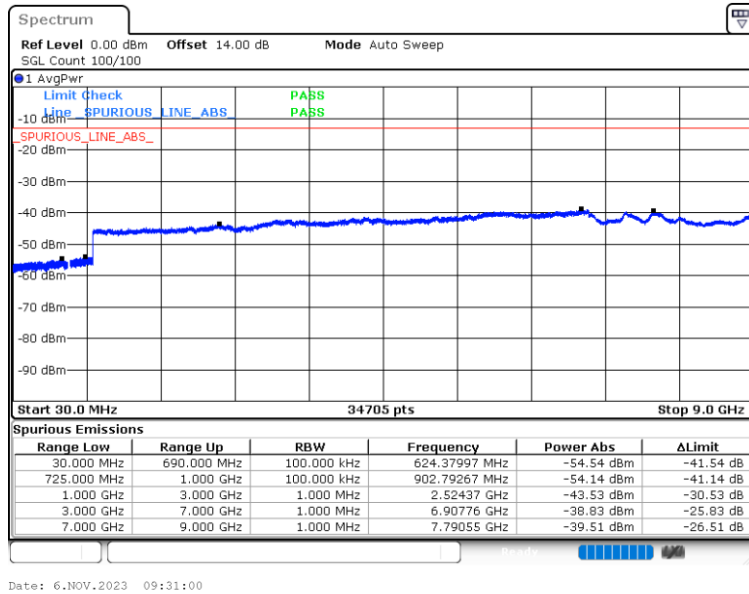
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



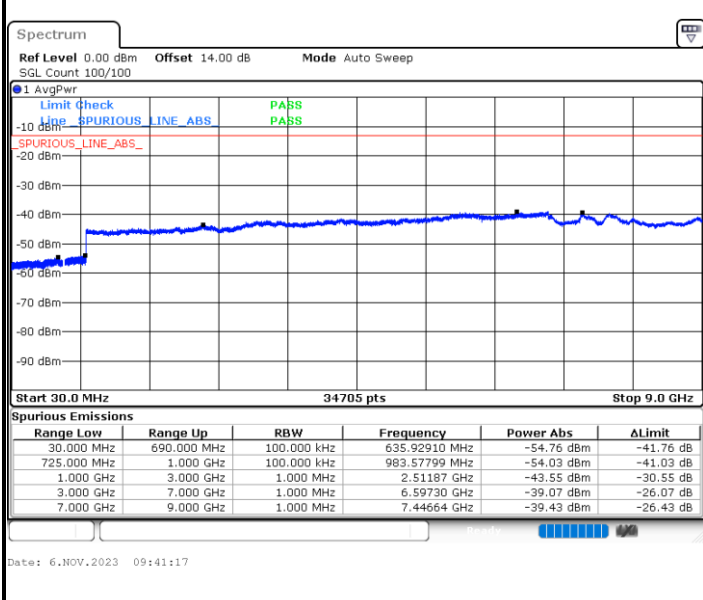
Highest Channel / QPSK



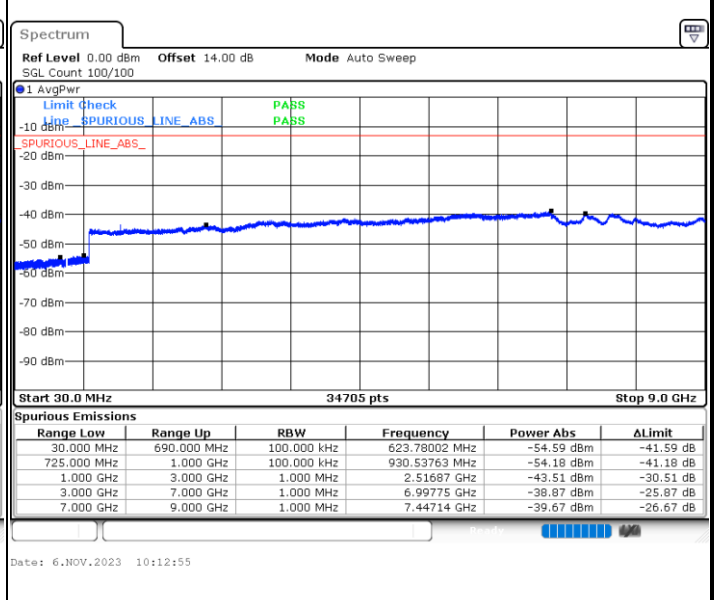


LTE Band 12 / 10MHz

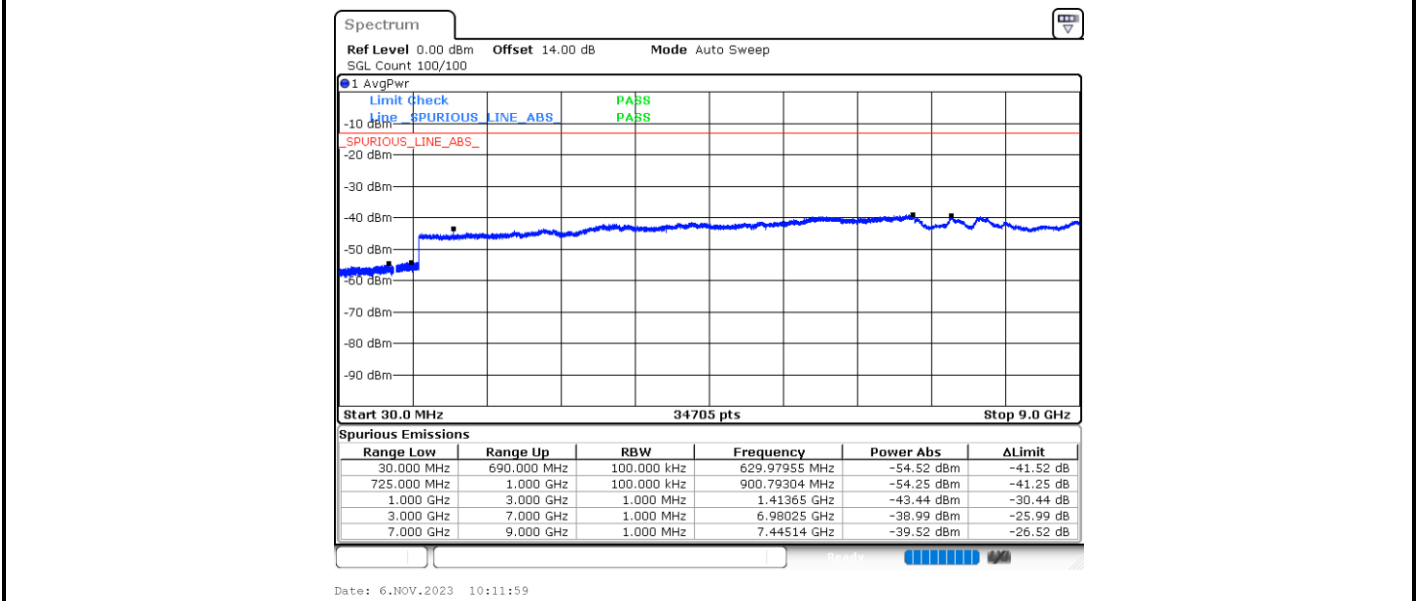
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0041	PASS
40	Normal Voltage	0.0040	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0044	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0031	

Note:

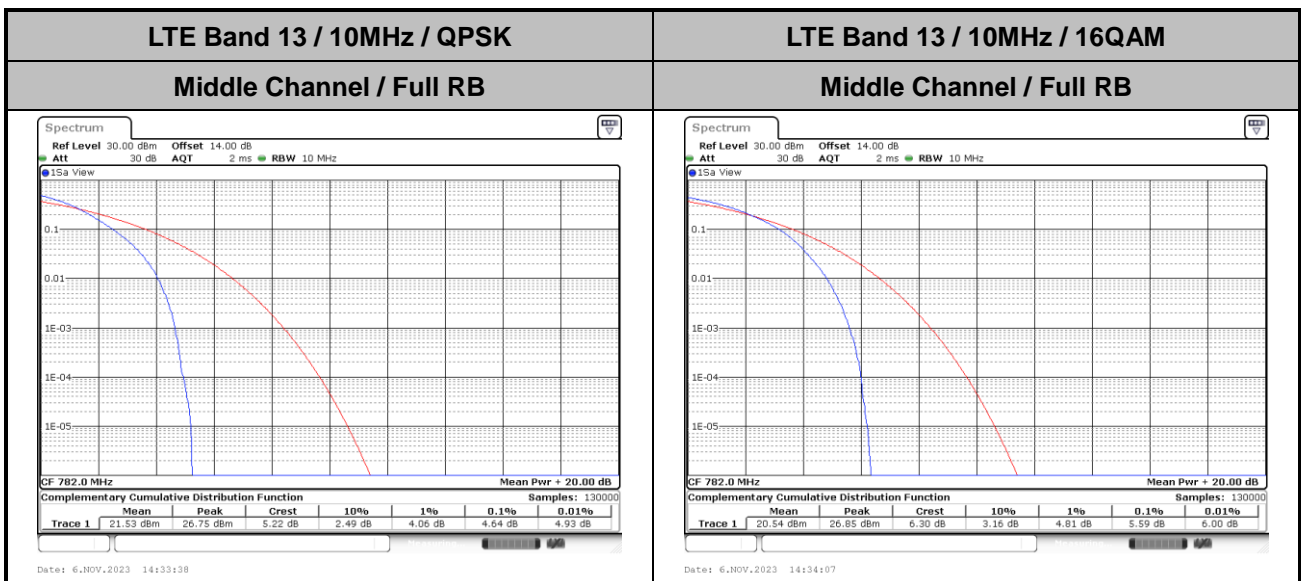
1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

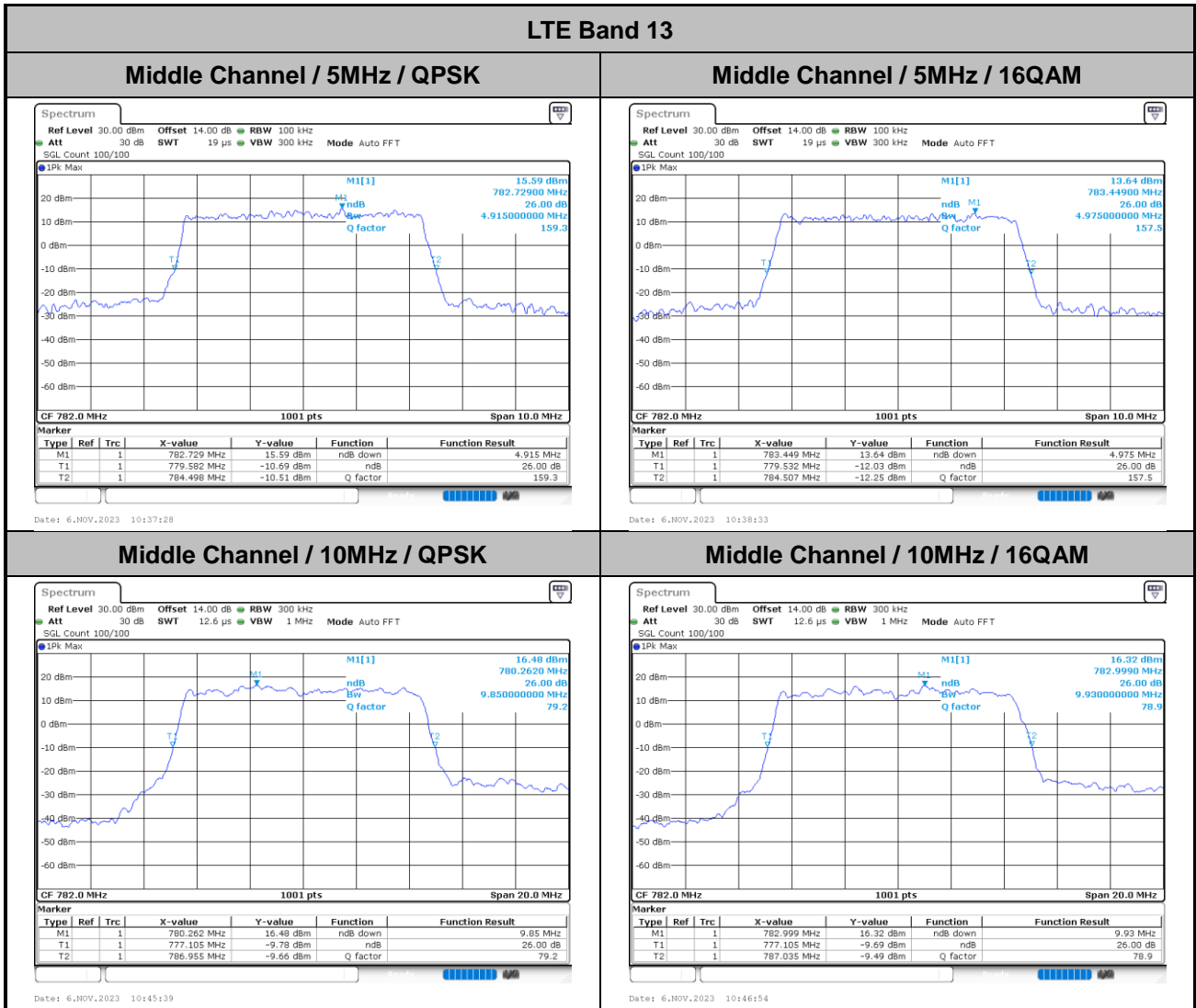
Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	-	Limit: 13dB
RB Size	Full RB	Full RB	-	Result
Middle CH	4.64	5.59	-	PASS





26dB Bandwidth

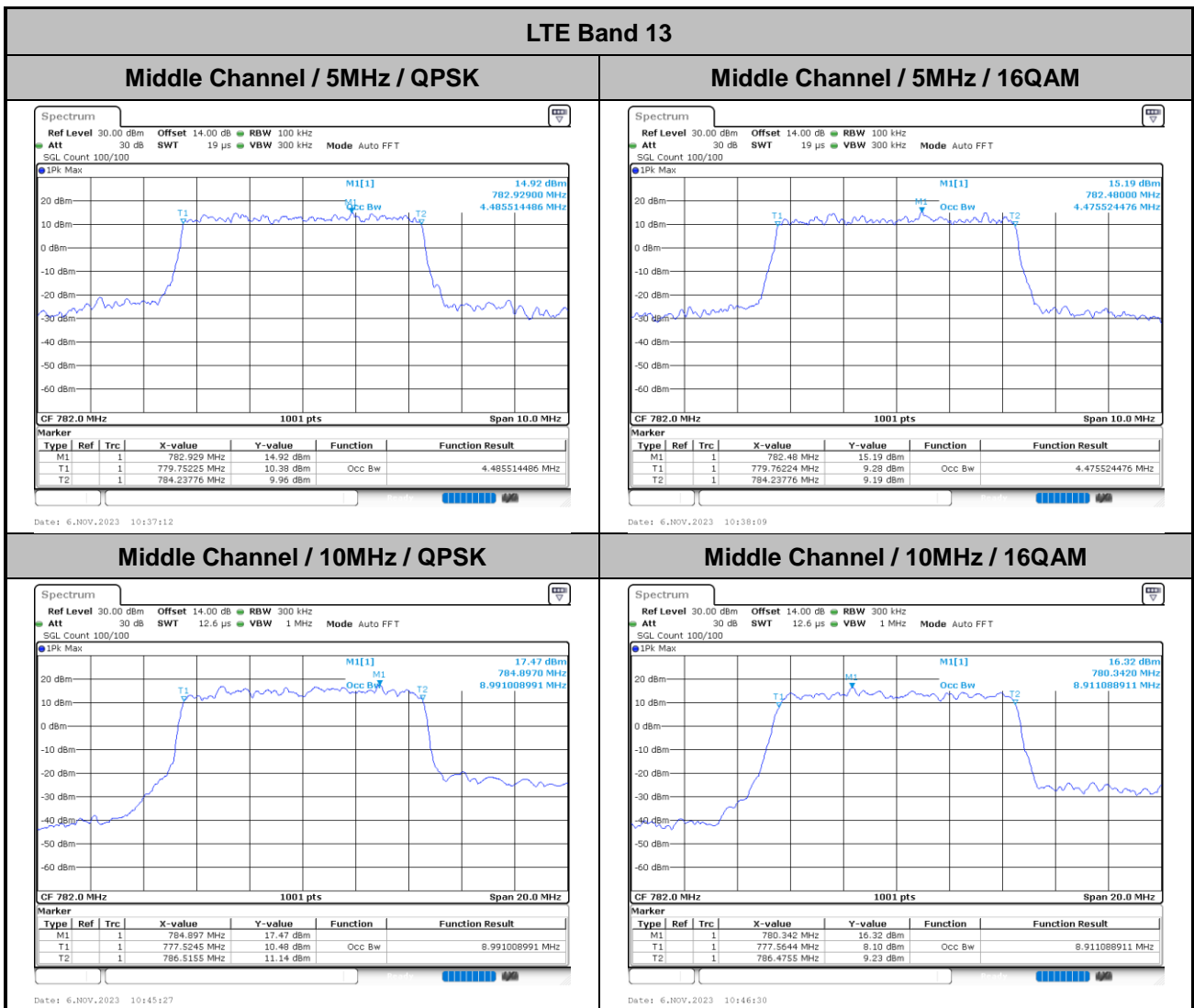
Mode	LTE Band 13 : 26dB BW(MHz)							
BW			5MHz		10MHz			
Mod.			QPSK	16QAM	QPSK	16QAM		
Middle CH			4.92	4.98	9.85	9.93		





Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)							
BW			5MHz		10MHz			
Mod.			QPSK	16QAM	QPSK	16QAM		
Middle CH			4.49	4.48	8.99	8.91		



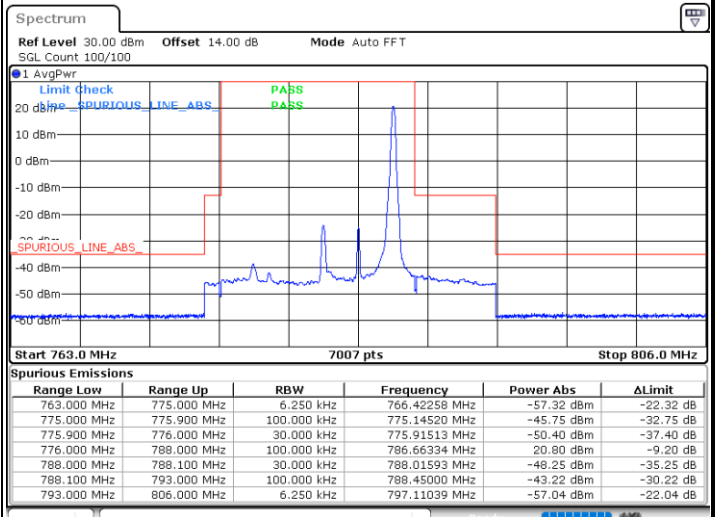
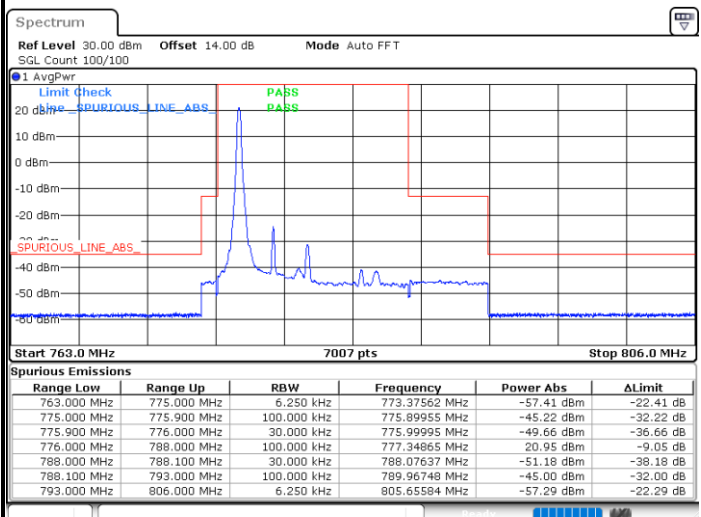


Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

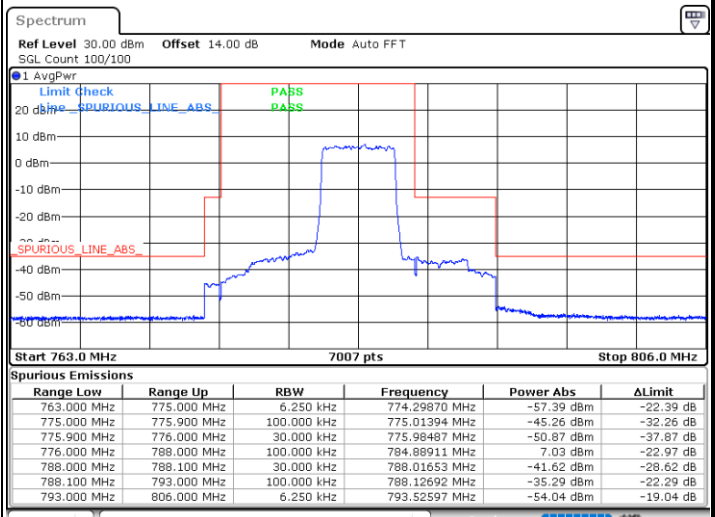
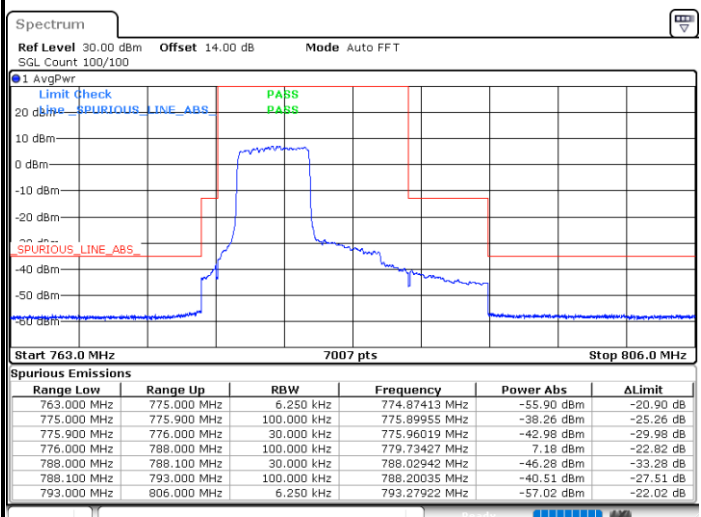


Date: 6.NOV.2023 10:28:42

Date: 6.NOV.2023 10:34:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 6.NOV.2023 10:31:27

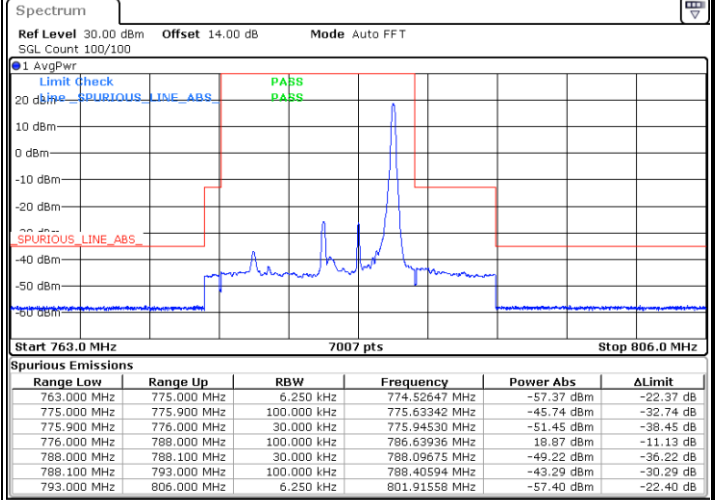
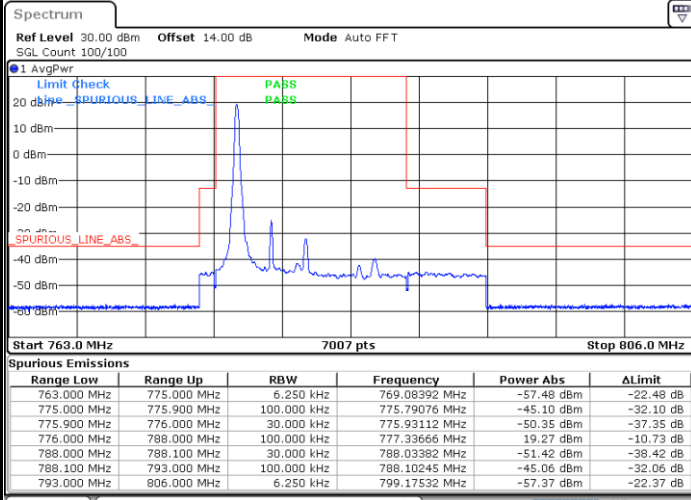
Date: 6.NOV.2023 10:32:24



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

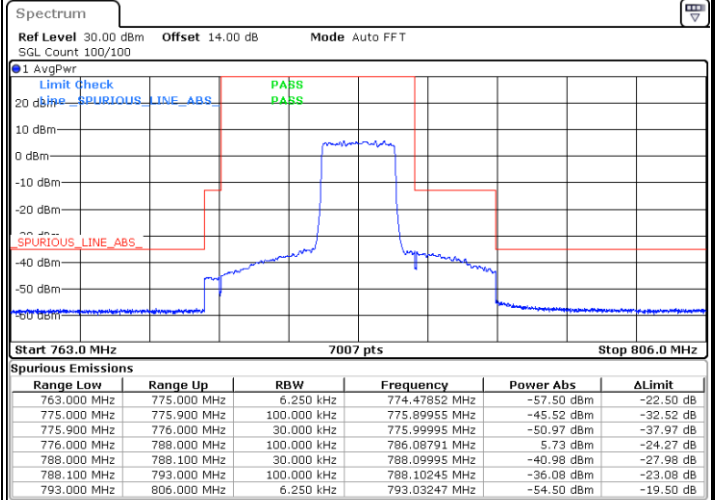
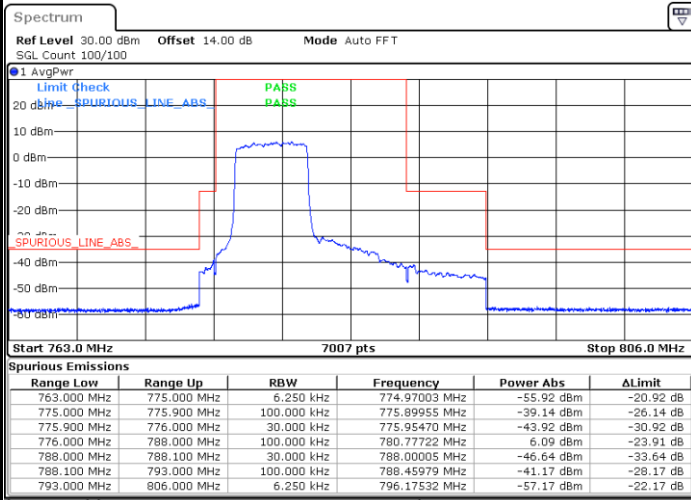


Date: 6.NOV.2023 10:30:02

Date: 6.NOV.2023 10:33:29

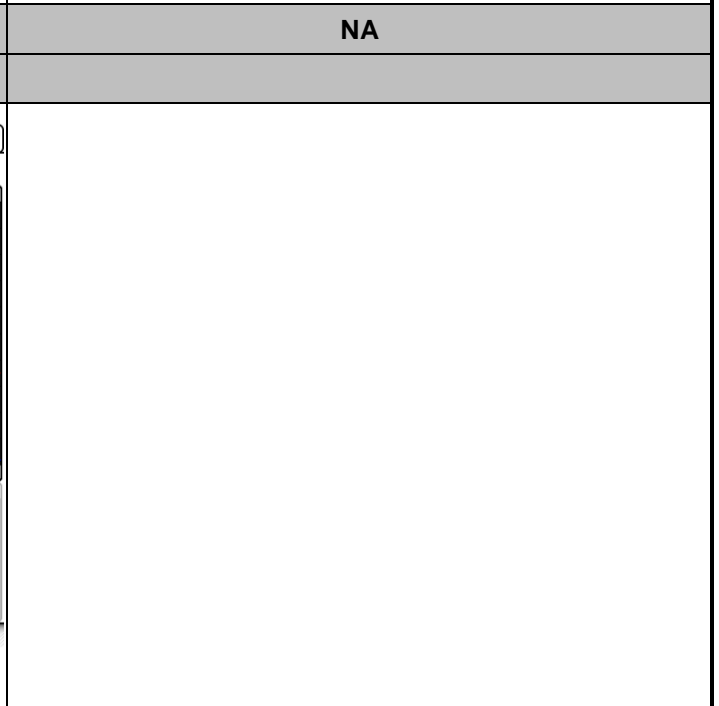
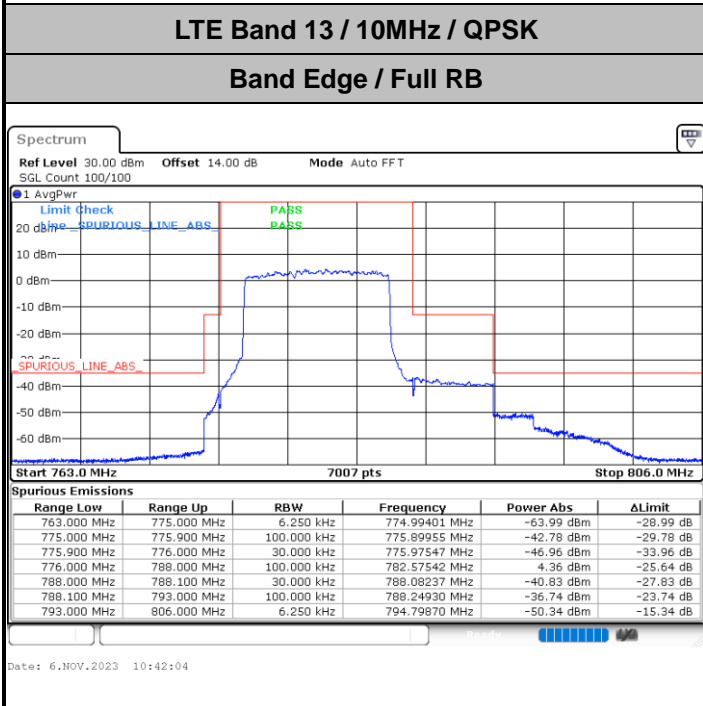
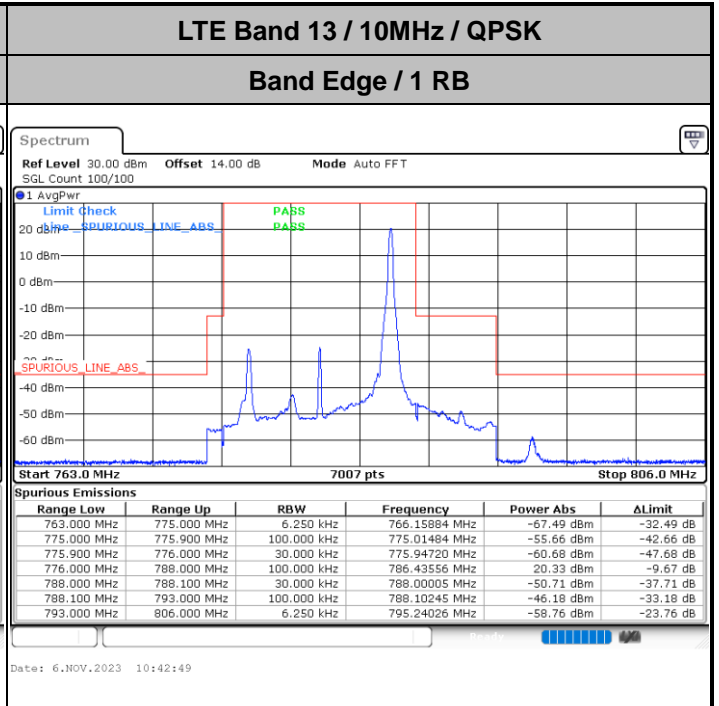
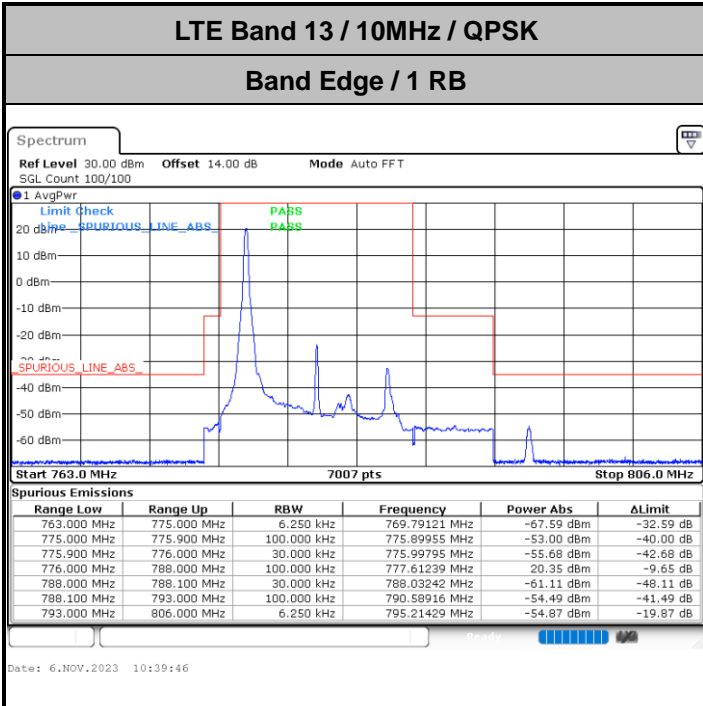
Lowest Band Edge / Full RB

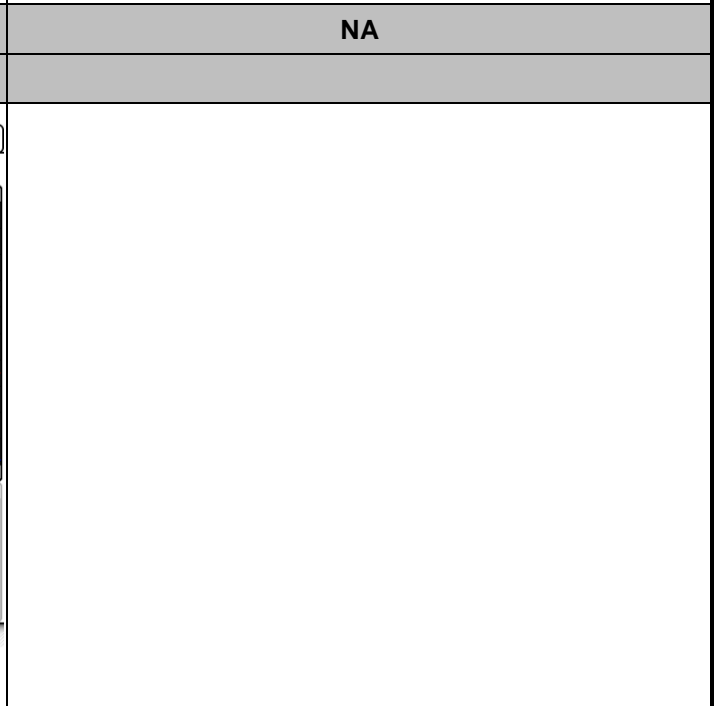
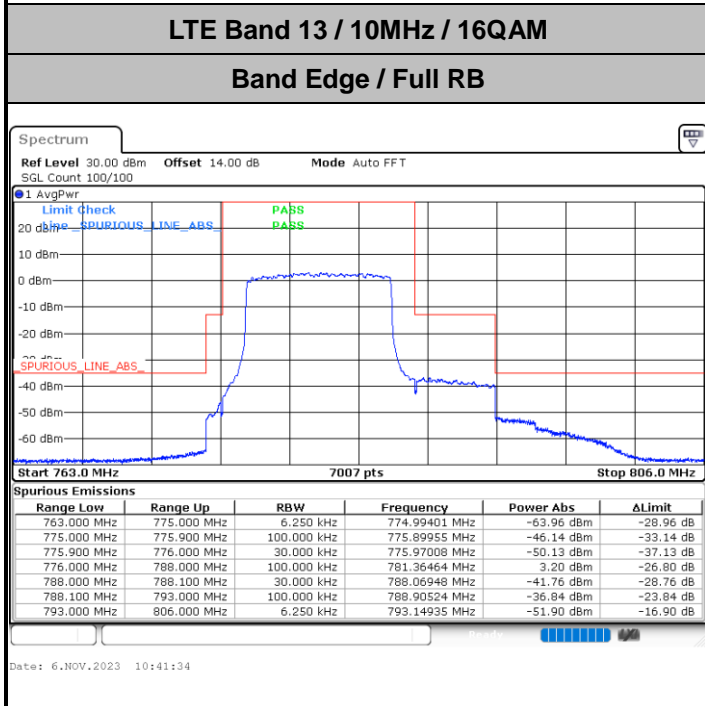
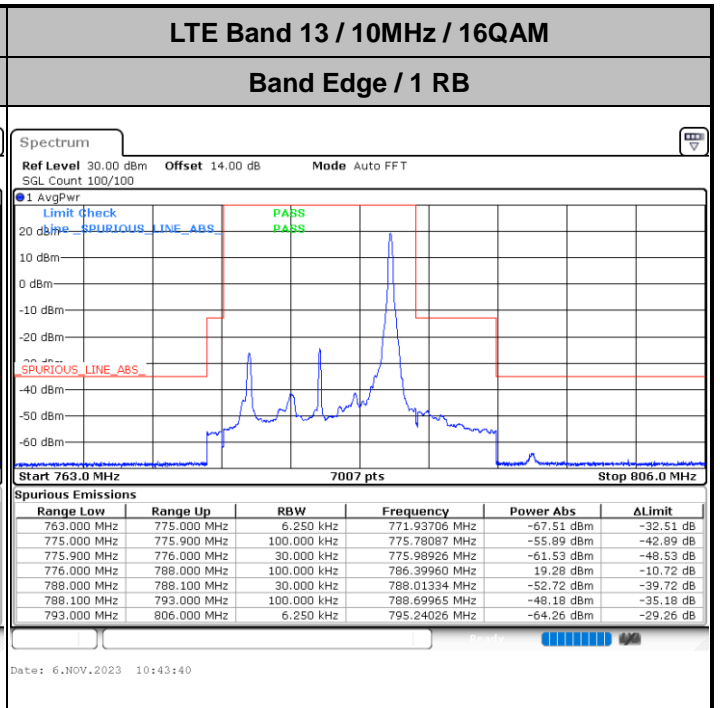
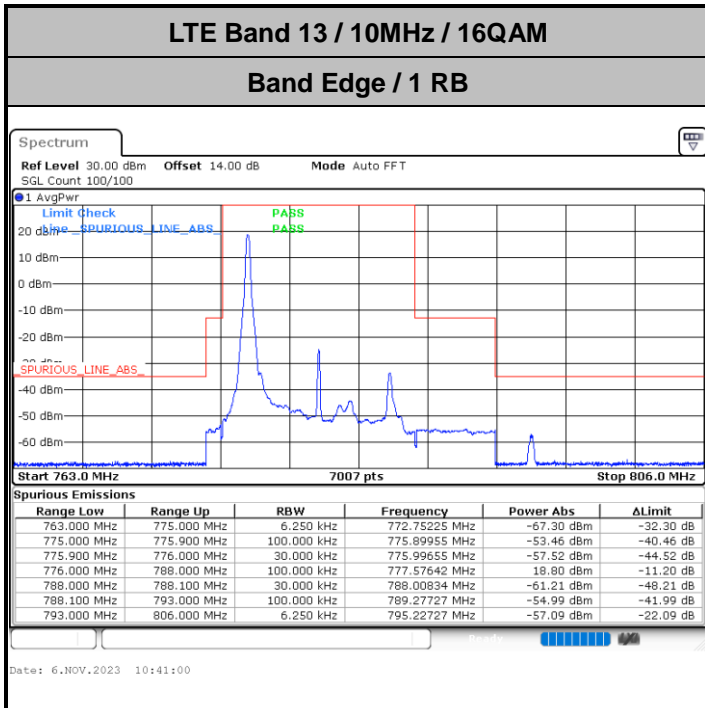
Highest Band Edge / Full RB



Date: 6.NOV.2023 10:30:40

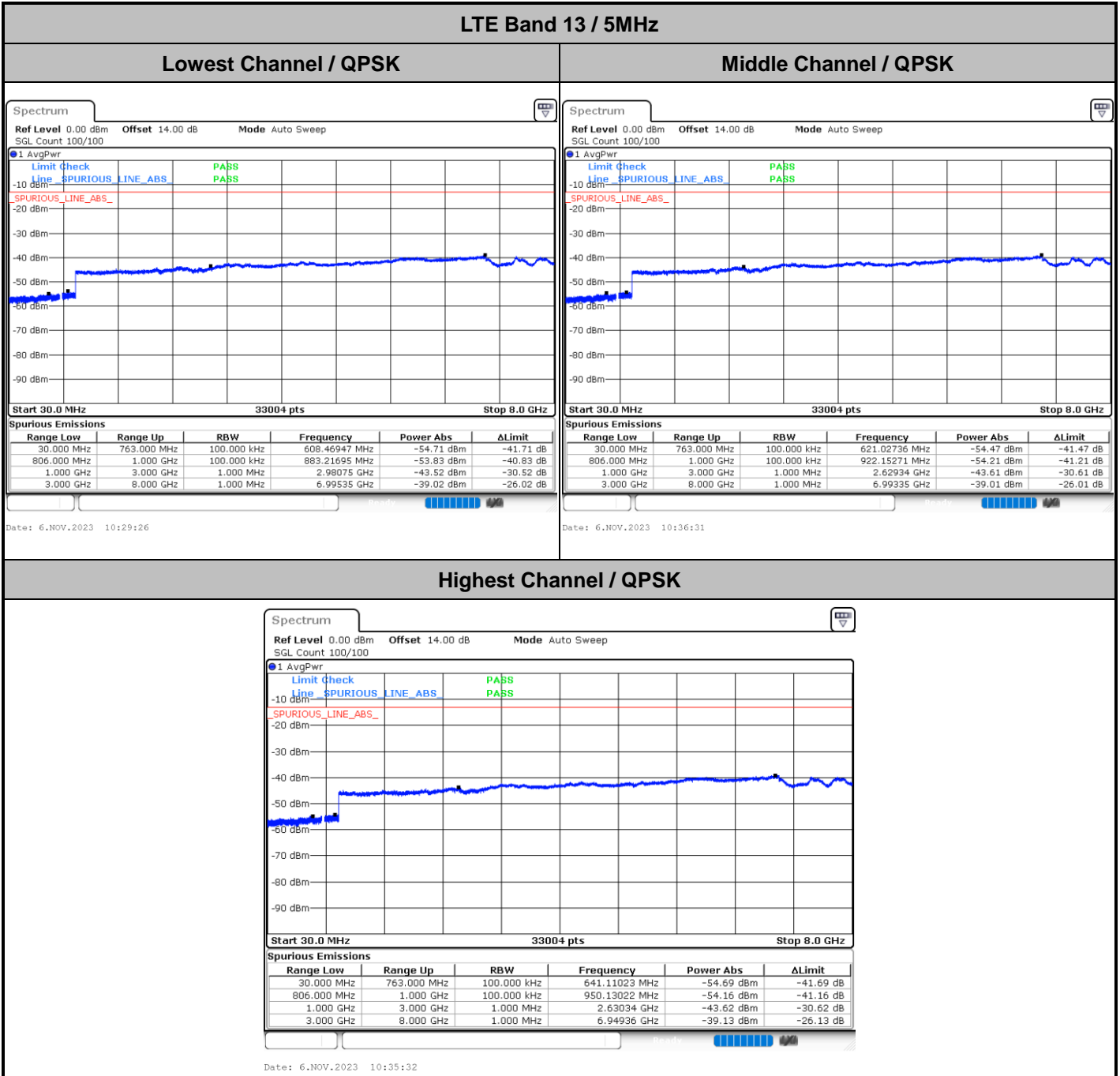
Date: 6.NOV.2023 10:32:51







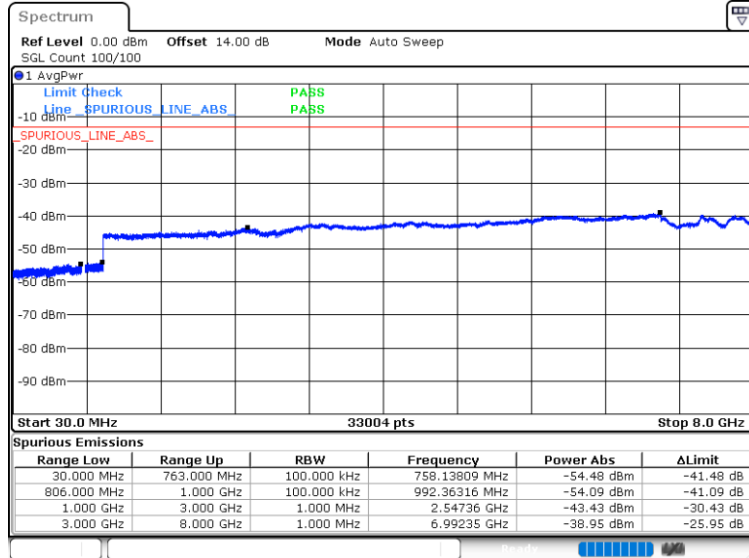
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 6.NOV.2023 10:40:22



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

Note:

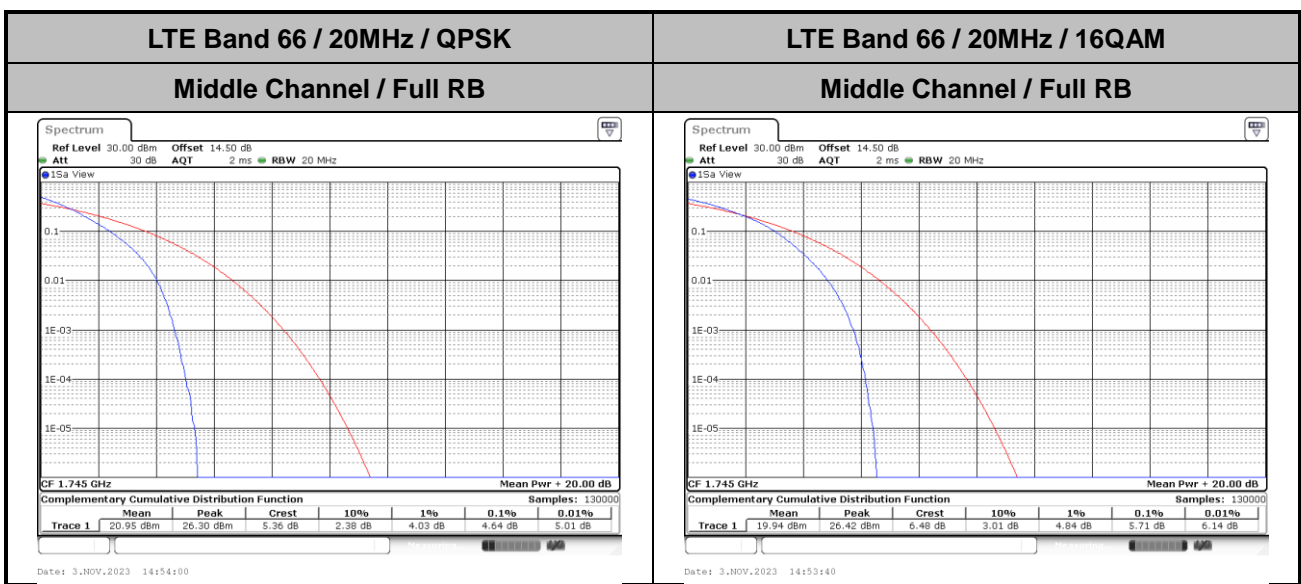
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz			
Mod.	QPSK	16QAM	-	Limit: 13dB
RB Size	Full RB	Full RB	-	Result
Middle CH	4.64	5.71	-	PASS





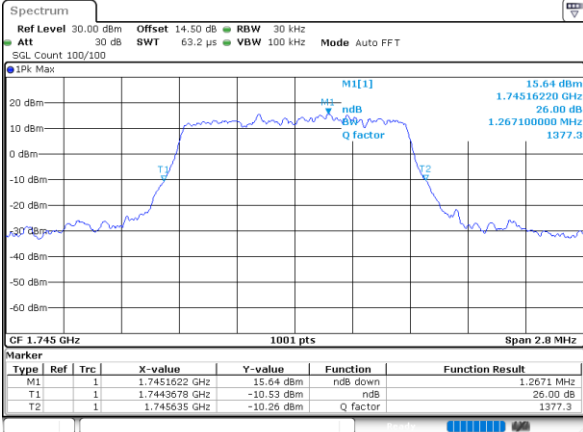
26dB Bandwidth

Mode	LTE Band 66 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.27	1.26	3.03	3.05	4.97	4.96	9.71	9.87	14.45	14.51	19.10	18.94



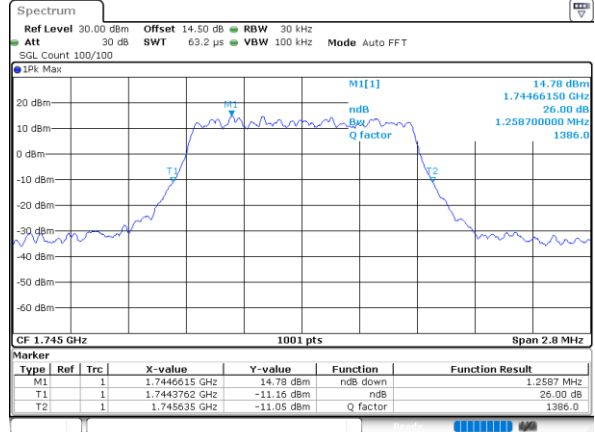
LTE Band 66

Middle Channel / 1.4MHz / QPSK



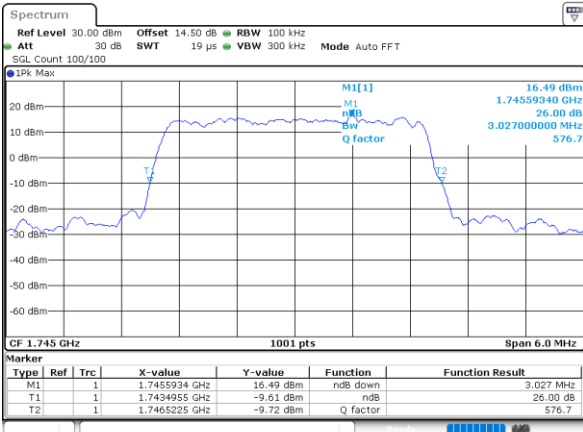
Date: 3,NOV,2023 13:40:39

Middle Channel / 1.4MHz / 16QAM



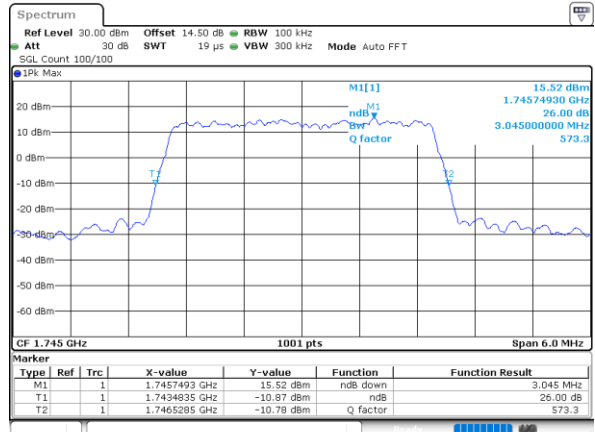
Date: 3,NOV,2023 13:41:41

Middle Channel / 3MHz / QPSK



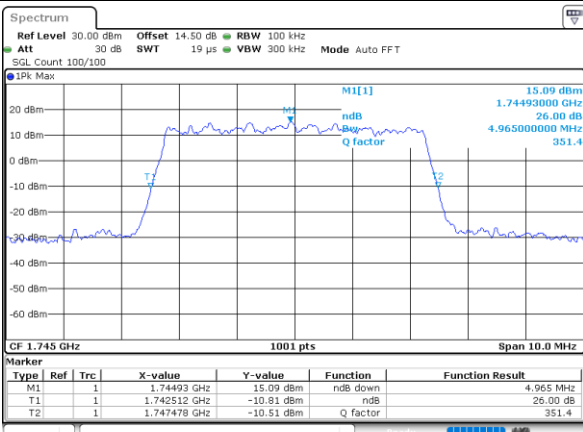
Date: 3,NOV,2023 13:50:05

Middle Channel / 3MHz / 16QAM



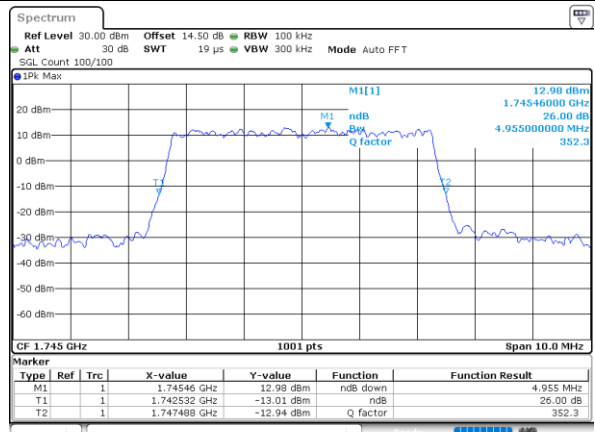
Date: 3,NOV,2023 13:51:25

Middle Channel / 5MHz / QPSK



Date: 3,NOV,2023 14:00:19

Middle Channel / 5MHz / 16QAM

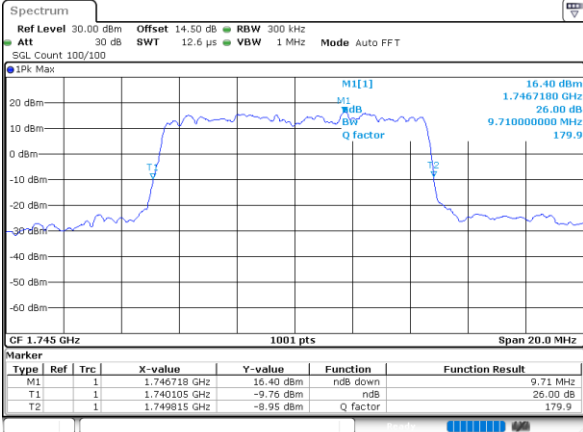


Date: 3,NOV,2023 14:00:51



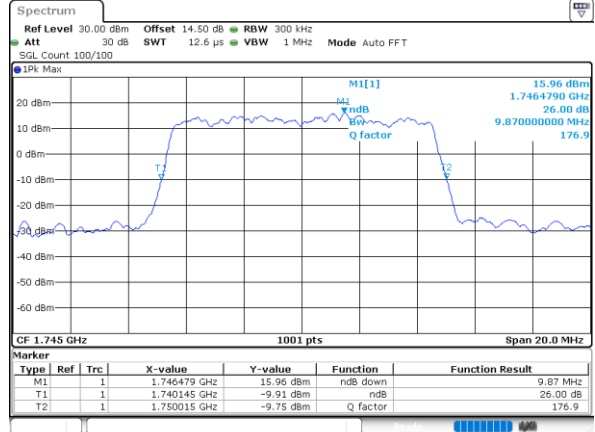
LTE Band 66

Middle Channel / 10MHz / QPSK



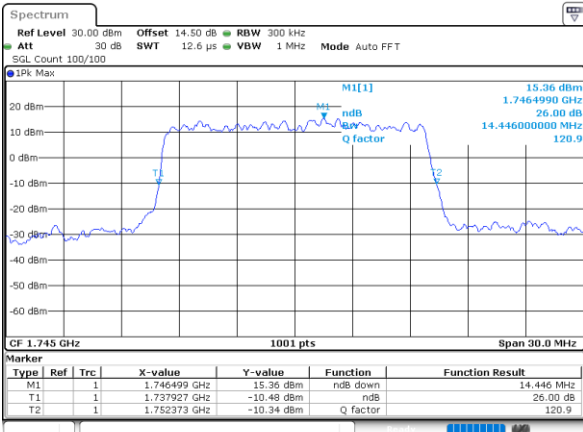
Date: 3,NOV,2023 14:25:05

Middle Channel / 10MHz / 16QAM



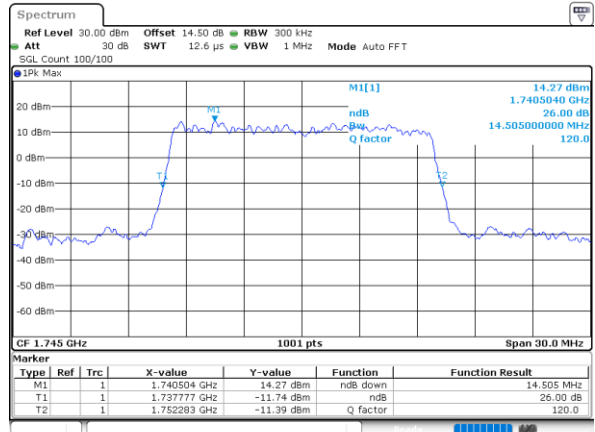
Date: 3,NOV,2023 14:26:53

Middle Channel / 15MHz / QPSK



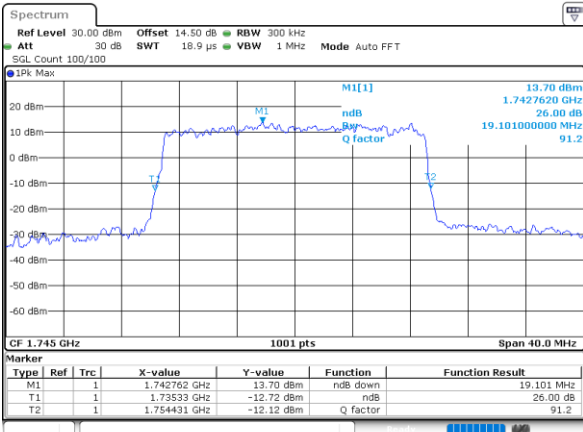
Date: 3,NOV,2023 14:40:52

Middle Channel / 15MHz / 16QAM



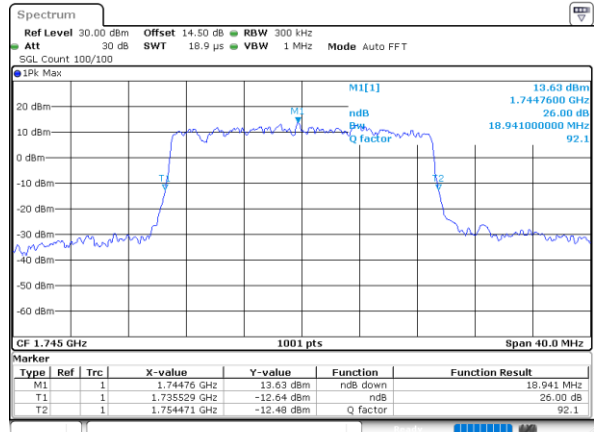
Date: 3,NOV,2023 14:41:29

Middle Channel / 20MHz / QPSK



Date: 3,NOV,2023 14:52:37

Middle Channel / 20MHz / 16QAM



Date: 3,NOV,2023 14:53:25



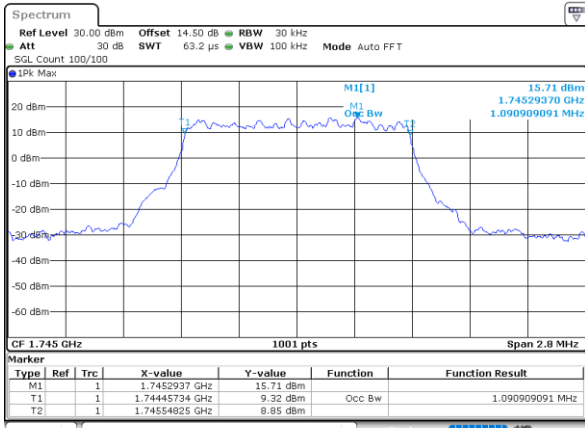
Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.73	2.72	4.49	4.49	9.01	9.01	13.46	13.37	17.82	17.82



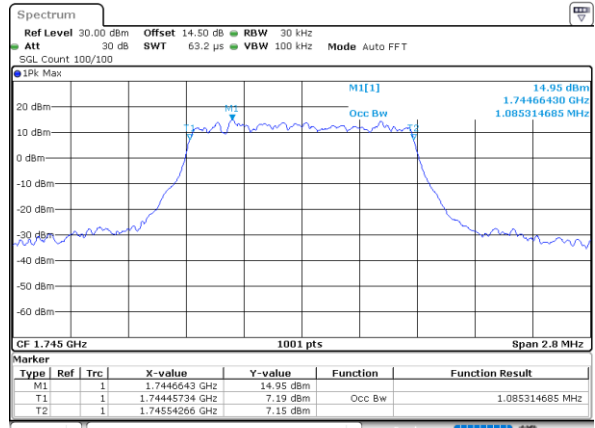
LTE Band 66

Middle Channel / 1.4MHz / QPSK



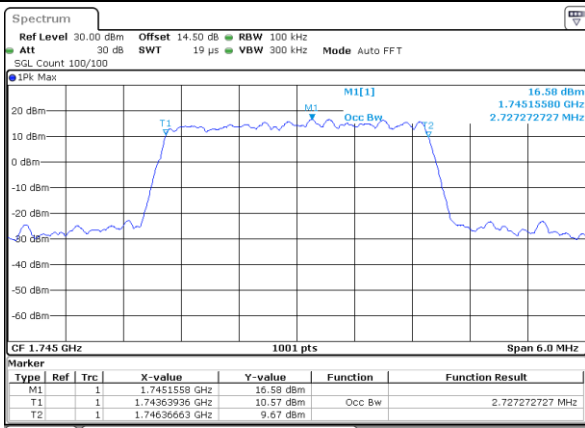
Date: 3,NOV,2023 13:40:21

Middle Channel / 1.4MHz / 16QAM



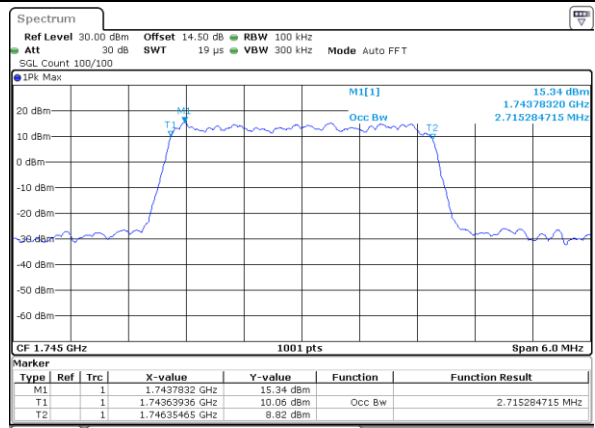
Date: 3,NOV,2023 13:41:29

Middle Channel / 3MHz / QPSK



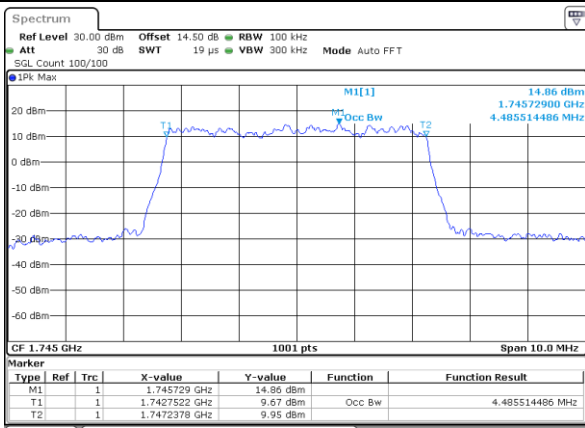
Date: 3,NOV,2023 13:49:51

Middle Channel / 3MHz / 16QAM



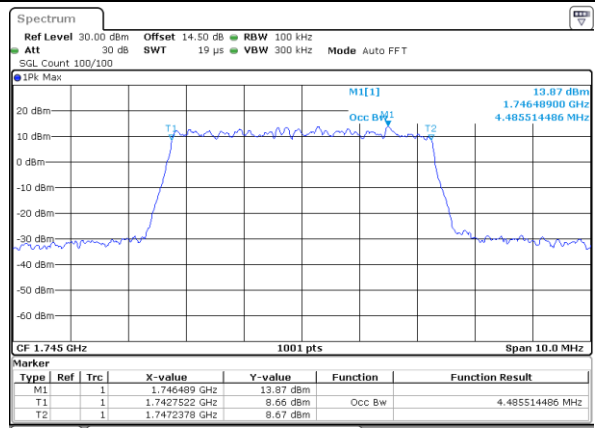
Date: 3,NOV,2023 13:50:57

Middle Channel / 5MHz / QPSK



Date: 3,NOV,2023 14:00:03

Middle Channel / 5MHz / 16QAM

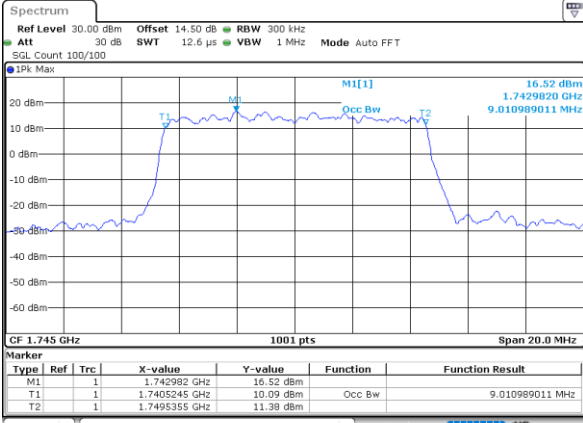


Date: 3,NOV,2023 14:00:41



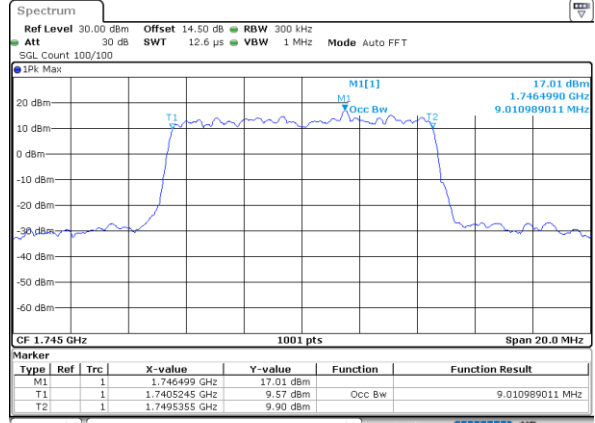
LTE Band 66

Middle Channel / 10MHz / QPSK



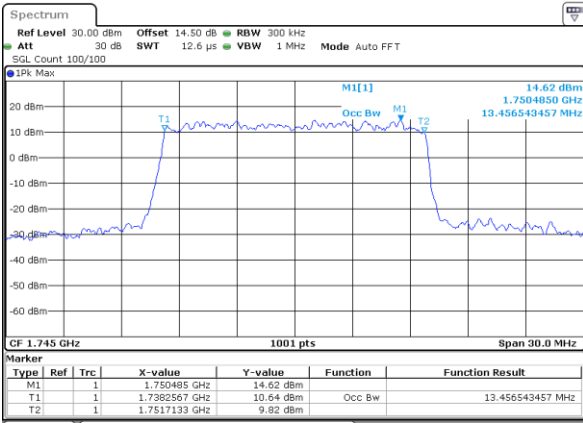
Date: 3,NOV,2023 14:24:52

Middle Channel / 10MHz / 16QAM



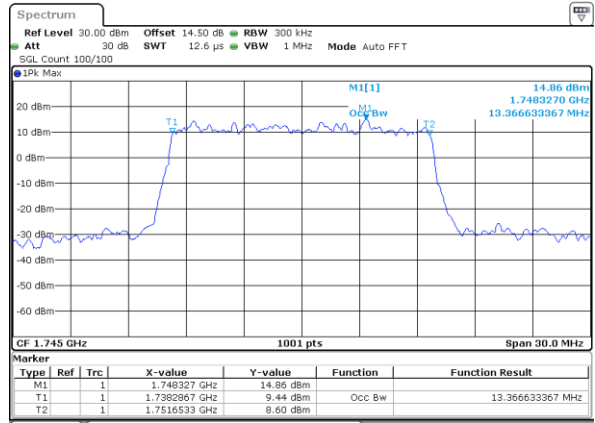
Date: 3,NOV,2023 14:26:13

Middle Channel / 15MHz / QPSK



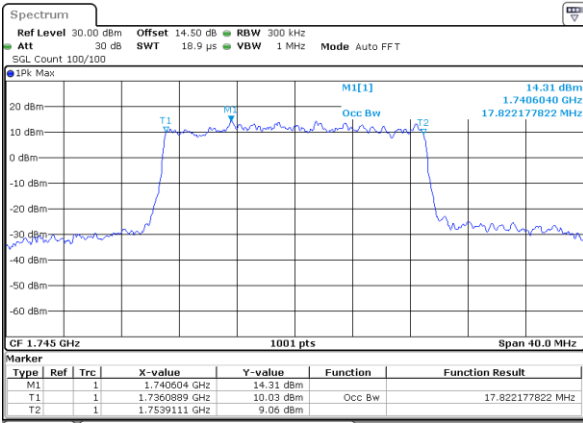
Date: 3,NOV,2023 14:40:39

Middle Channel / 15MHz / 16QAM



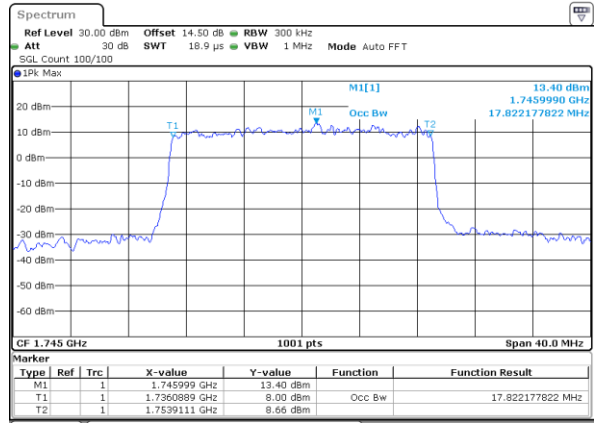
Date: 3,NOV,2023 14:41:15

Middle Channel / 20MHz / QPSK



Date: 3,NOV,2023 14:51:59

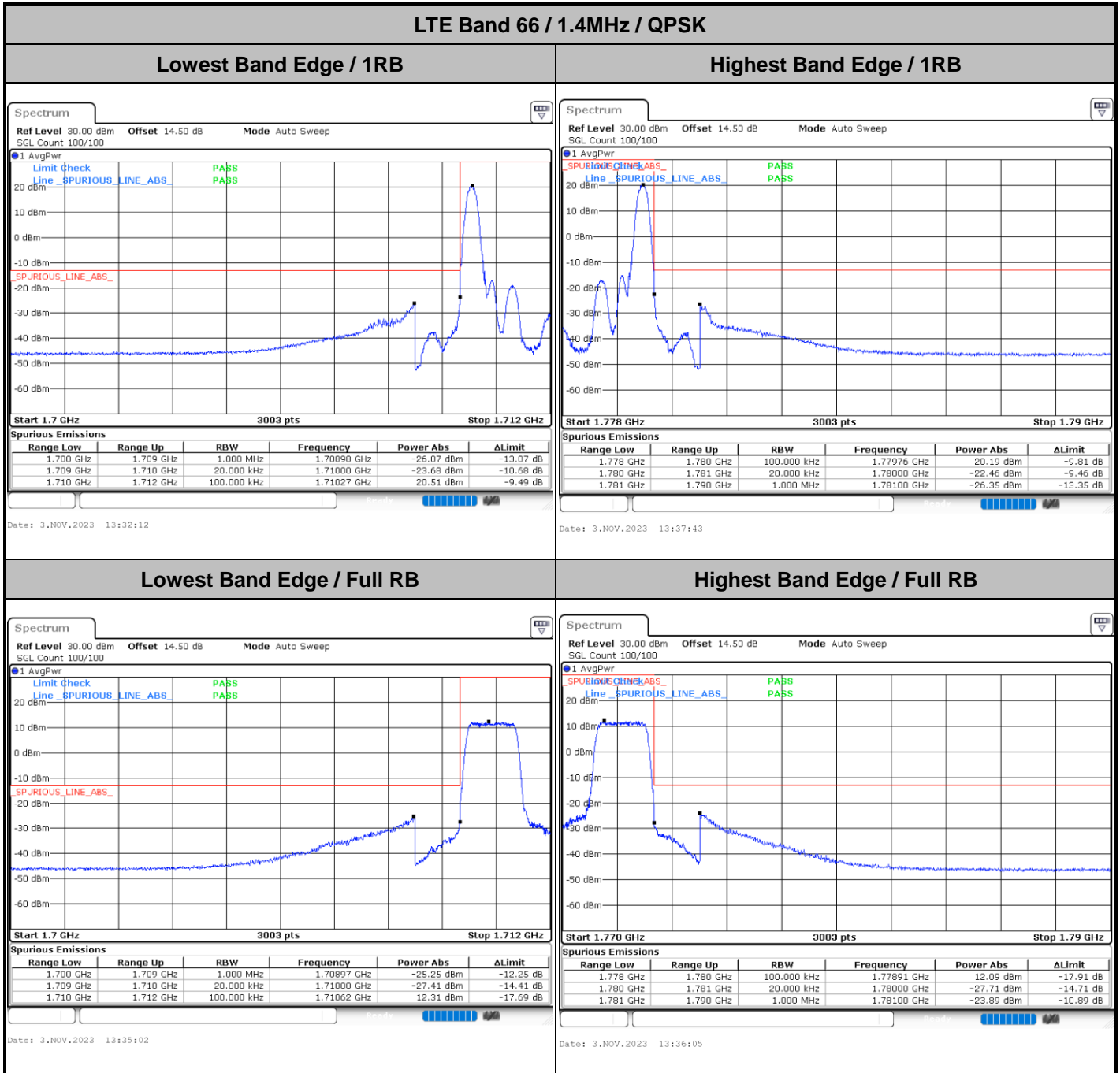
Middle Channel / 20MHz / 16QAM



Date: 3,NOV,2023 14:53:08



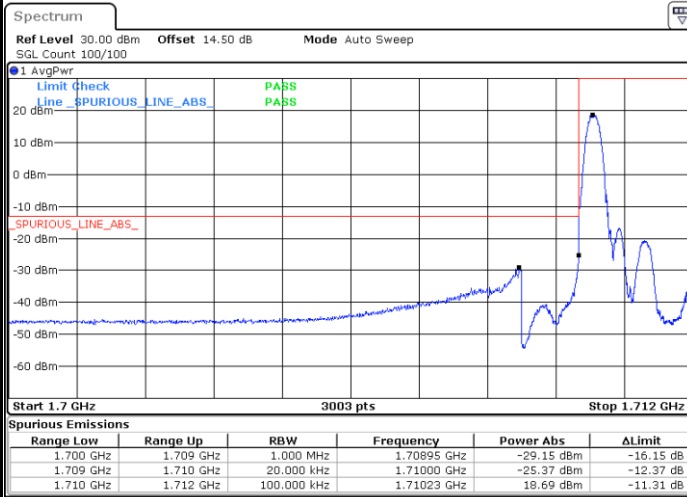
Conducted Band Edge





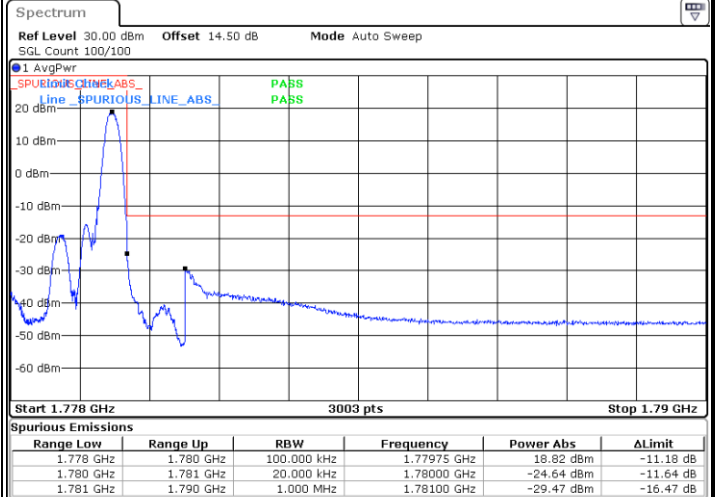
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



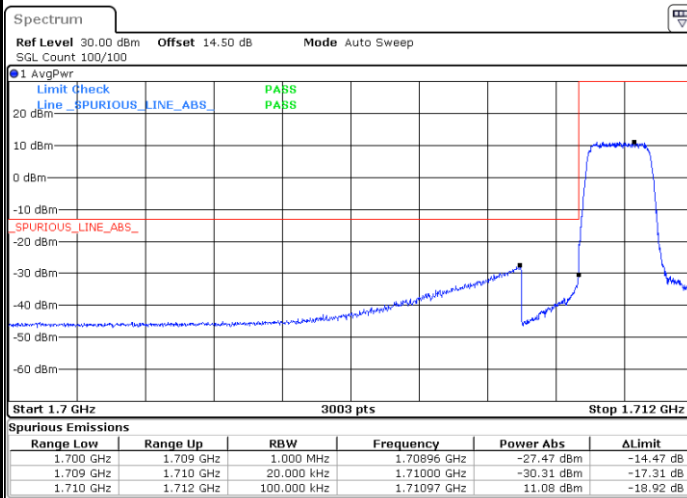
Date: 3.NOV.2023 13:33:34

Highest Band Edge / 1 RB



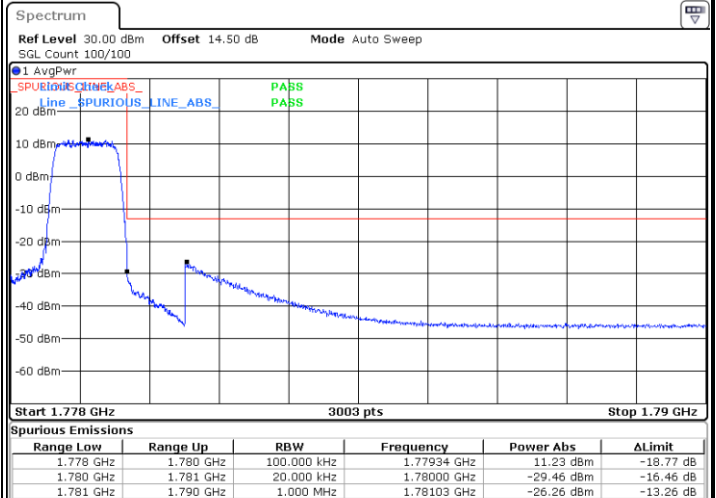
Date: 3.NOV.2023 13:37:19

Lowest Band Edge / Full RB



Date: 3.NOV.2023 13:34:26

Highest Band Edge / Full RB

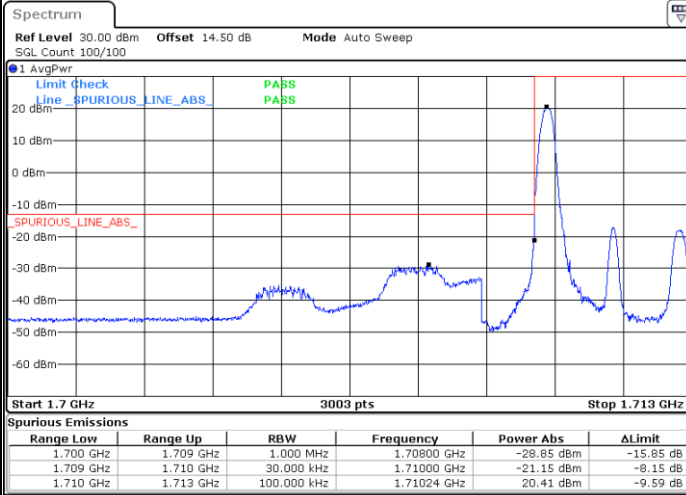


Date: 3.NOV.2023 13:36:32



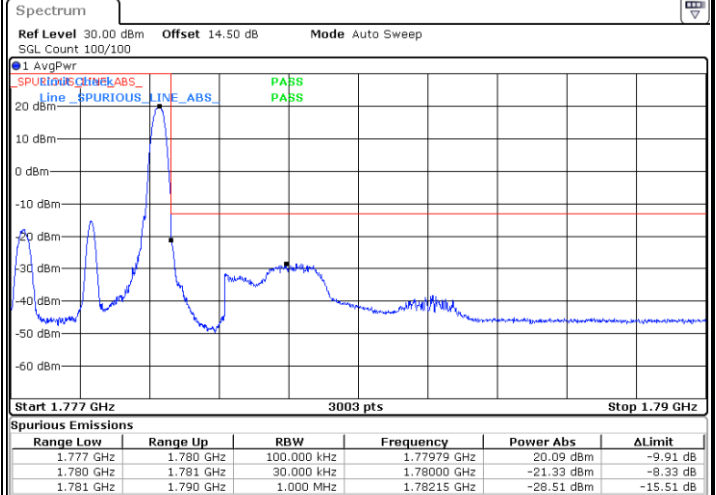
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



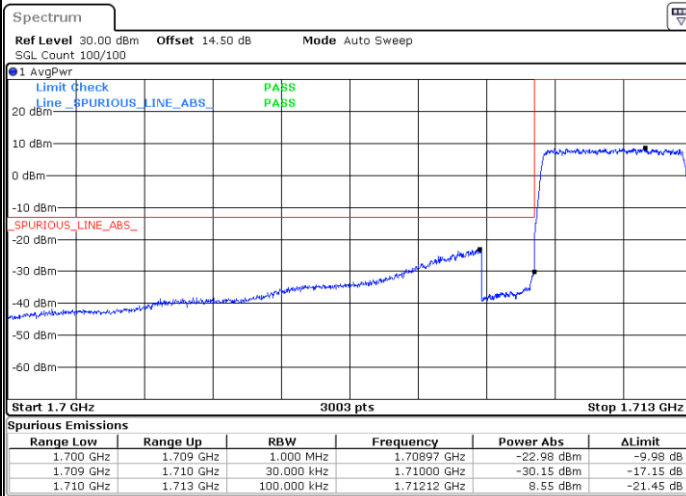
Date: 3.NOV.2023 13:42:48

Highest Band Edge / 1RB



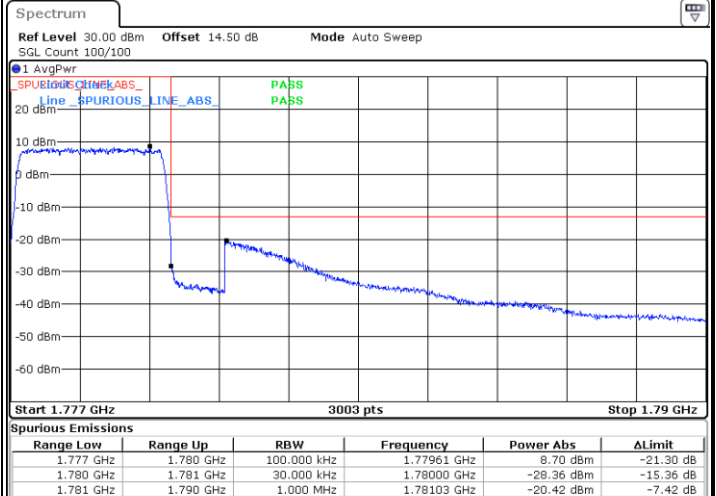
Date: 3.NOV.2023 13:47:28

Lowest Band Edge / Full RB



Date: 3.NOV.2023 13:45:38

Highest Band Edge / Full RB

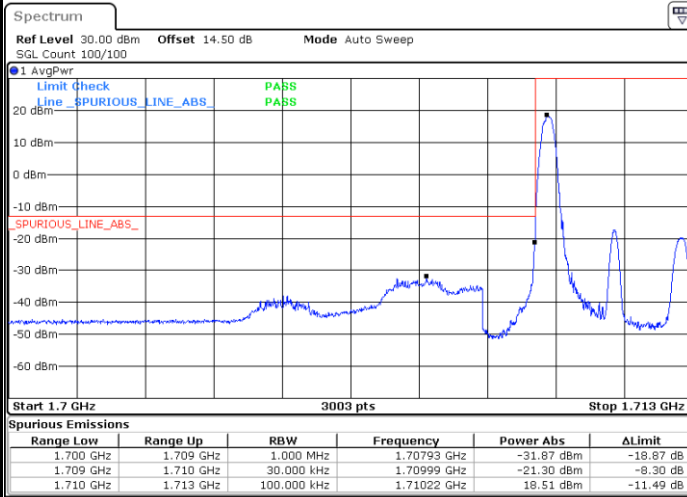


Date: 3.NOV.2023 13:46:15



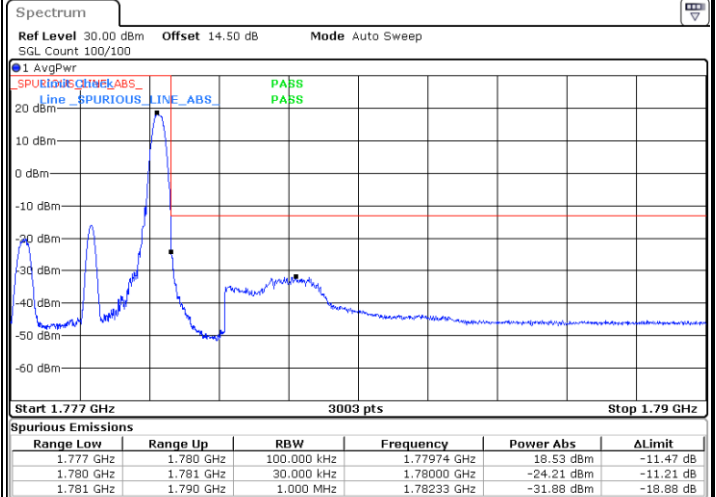
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



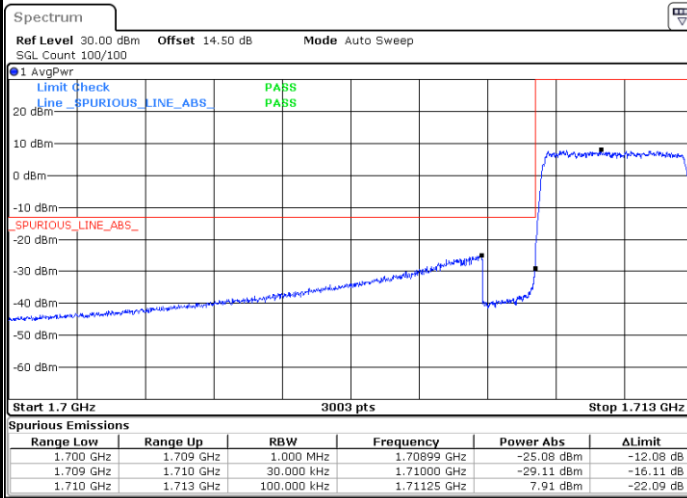
Date: 3.NOV.2023 13:44:38

Highest Band Edge / 1 RB



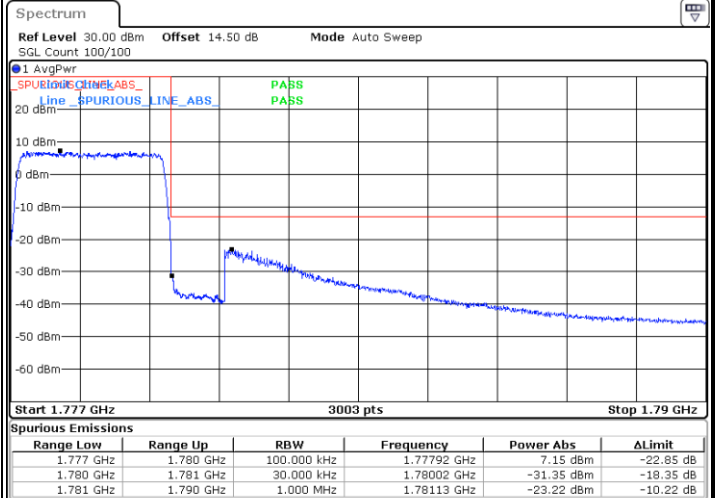
Date: 3.NOV.2023 13:47:06

Lowest Band Edge / Full RB



Date: 3.NOV.2023 13:45:12

Highest Band Edge / Full RB

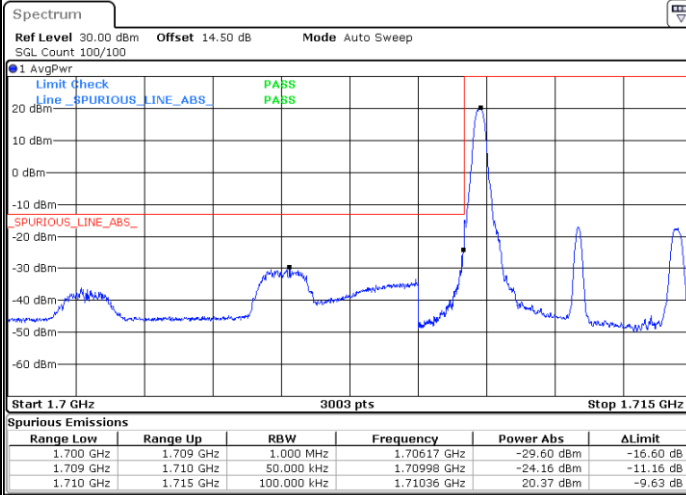


Date: 3.NOV.2023 13:46:37



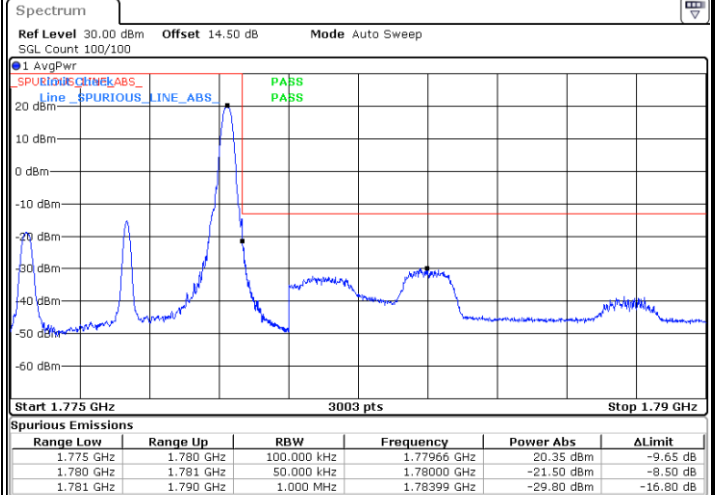
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1RB



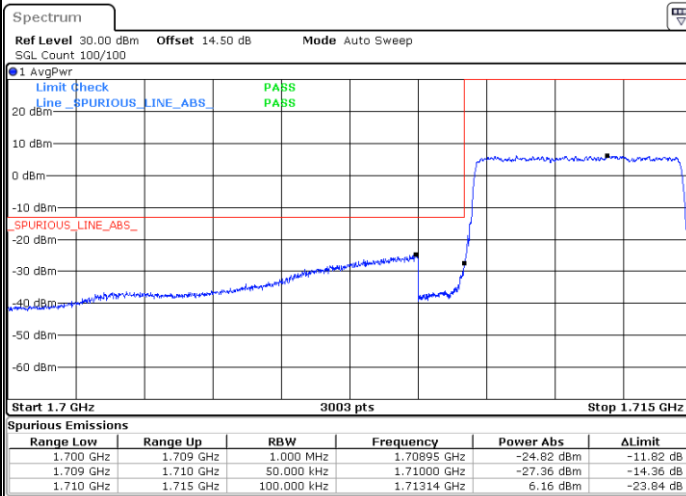
Date: 3.NOV.2023 13:52:42

Highest Band Edge / 1RB



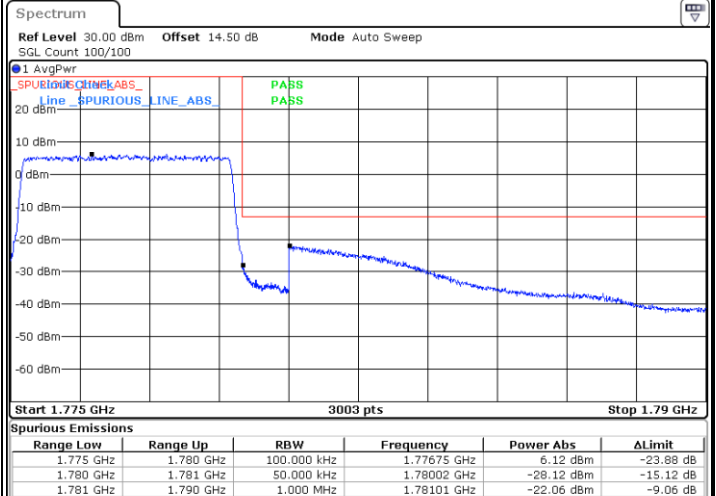
Date: 3.NOV.2023 13:57:35

Lowest Band Edge / Full RB



Date: 3.NOV.2023 13:54:56

Highest Band Edge / Full RB

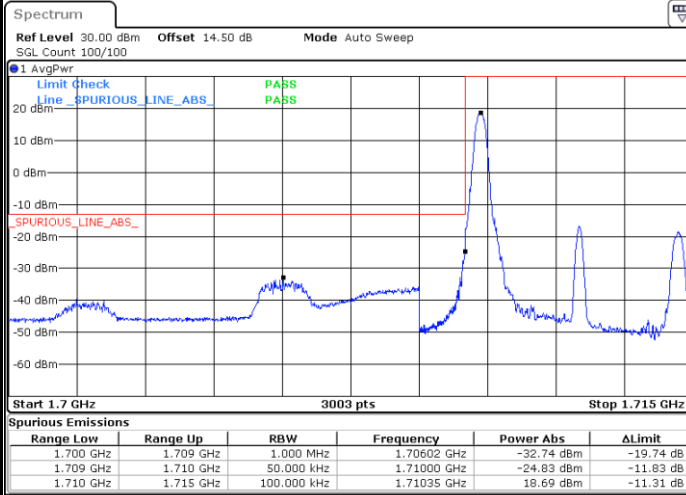


Date: 3.NOV.2023 13:55:42



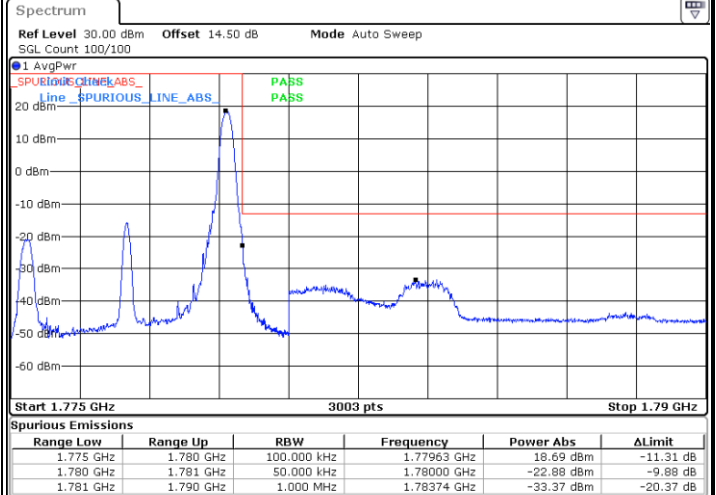
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



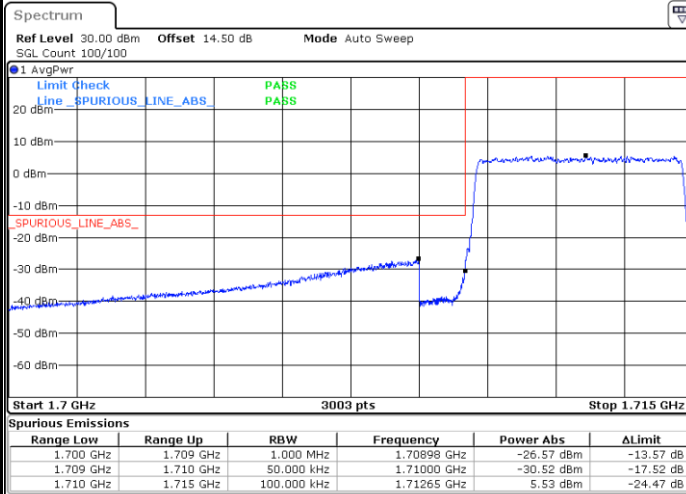
Date: 3.NOV.2023 13:54:04

Highest Band Edge / 1 RB



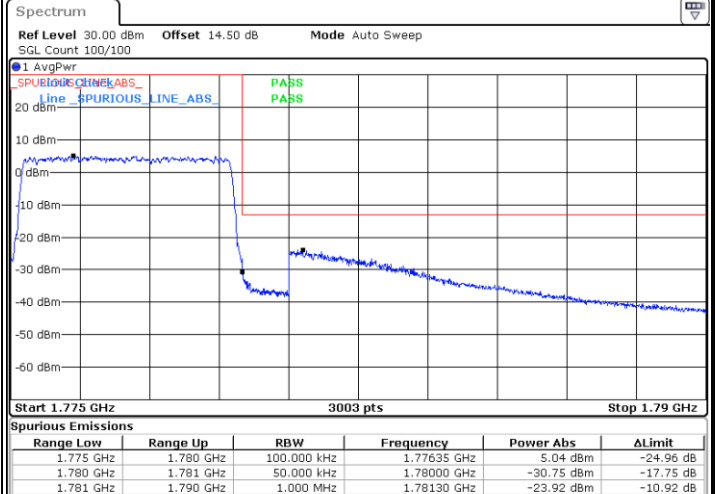
Date: 3.NOV.2023 13:57:10

Lowest Band Edge / Full RB



Date: 3.NOV.2023 13:54:30

Highest Band Edge / Full RB

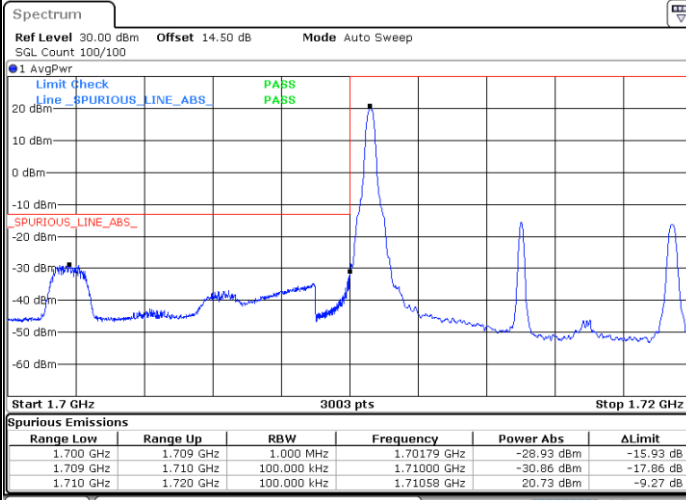


Date: 3.NOV.2023 13:56:10



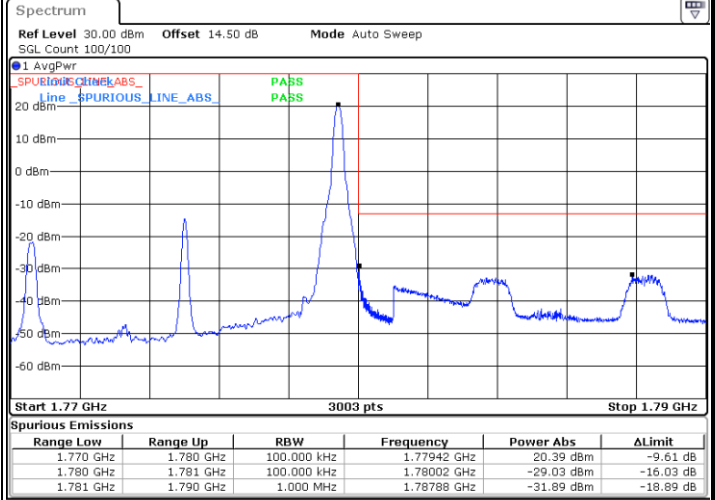
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1RB



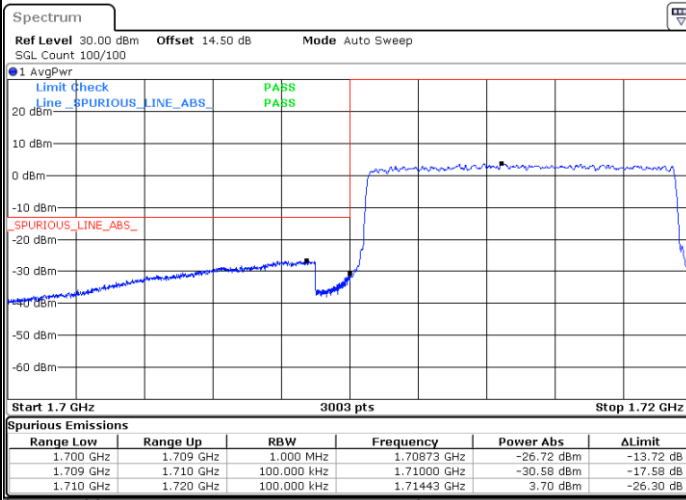
Date: 3.NOV.2023 14:12:51

Highest Band Edge / 1RB



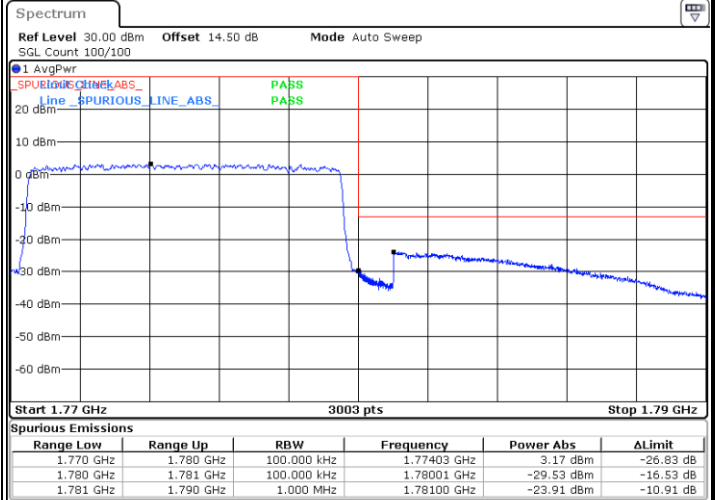
Date: 3.NOV.2023 14:21:37

Lowest Band Edge / Full RB



Date: 3.NOV.2023 14:19:19

Highest Band Edge / Full RB

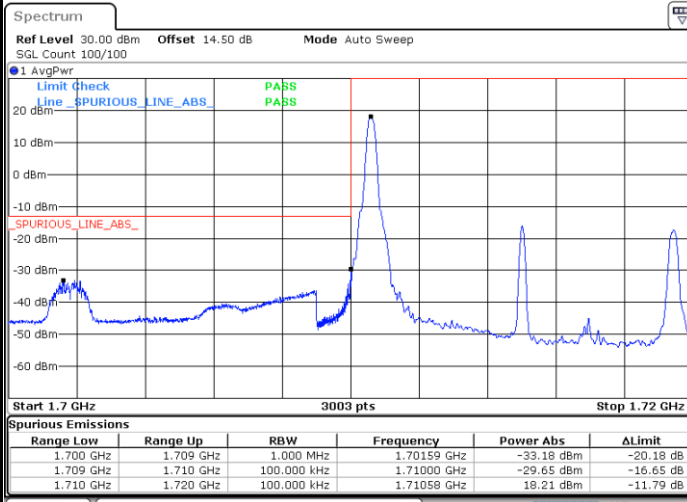


Date: 3.NOV.2023 14:19:50



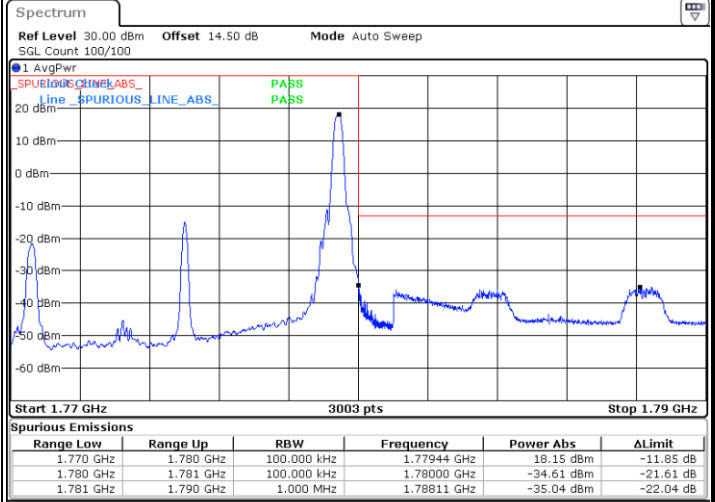
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



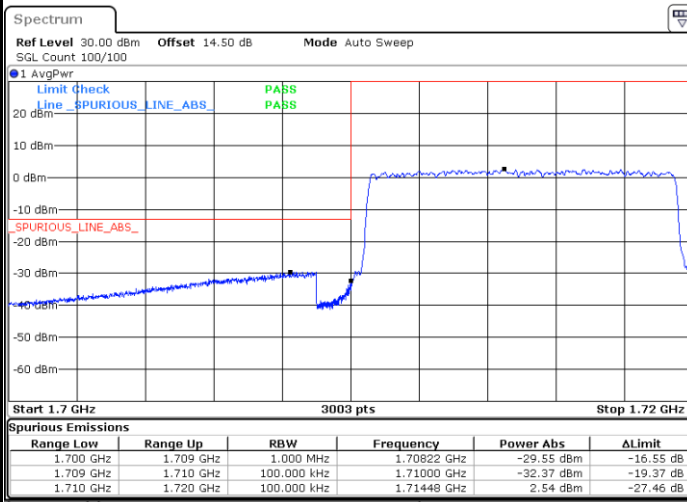
Date: 3.NOV.2023 14:18:19

Highest Band Edge / 1 RB



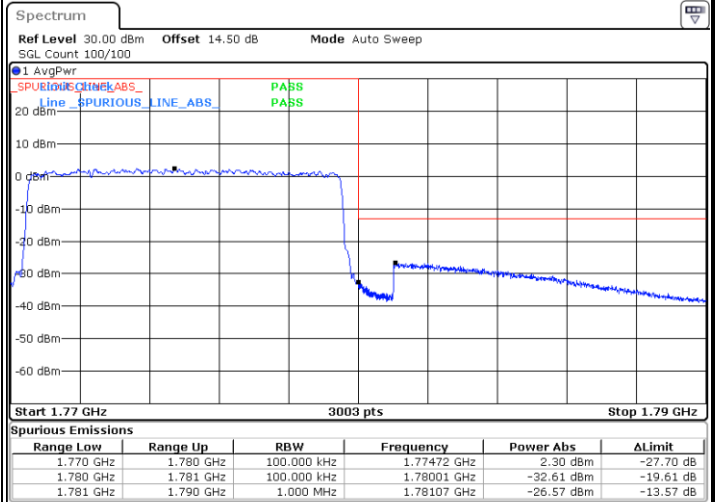
Date: 3.NOV.2023 14:20:55

Lowest Band Edge / Full RB



Date: 3.NOV.2023 14:18:58

Highest Band Edge / Full RB

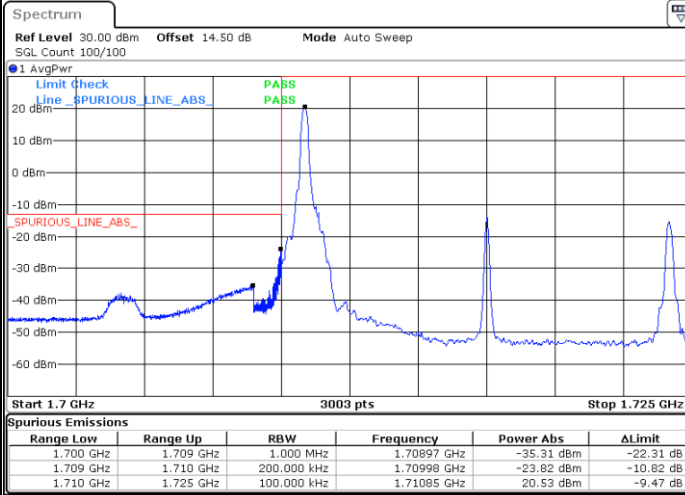


Date: 3.NOV.2023 14:20:13



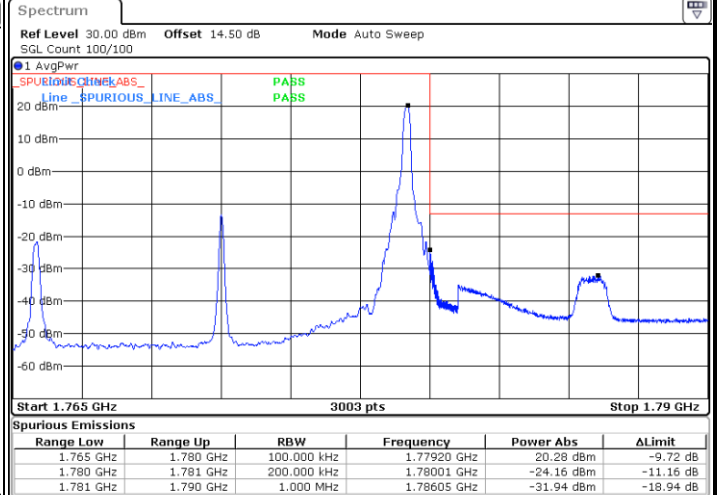
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1RB



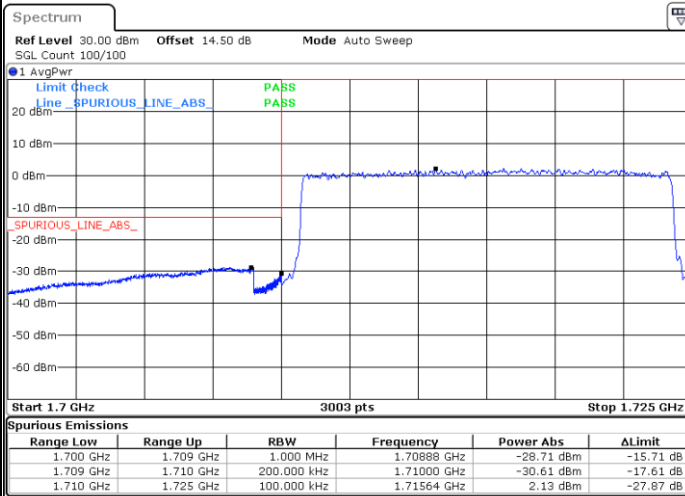
Date: 3.NOV.2023 14:28:04

Highest Band Edge / 1RB



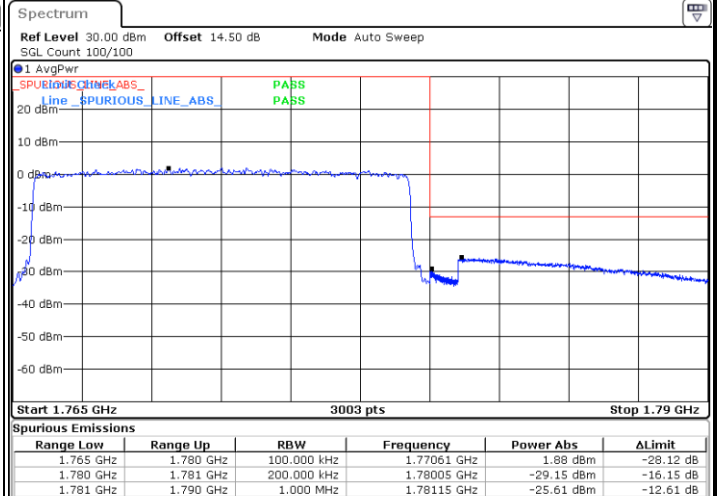
Date: 3.NOV.2023 14:37:53

Lowest Band Edge / Full RB



Date: 3.NOV.2023 14:35:27

Highest Band Edge / Full RB



Date: 3.NOV.2023 14:36:11